Psychological Abstracts

VOLUME 28 • NOVEMBER–DECEMBER 1954 • NUMBERS 11–12

EDITOR

C. M. LOUTTIT

ASSISTANT EDITOR

ALLEN J. SPROW

Editorial Office: WAYNE UNIVERSITY, DETROIT 1, MICH.; *Business Office:* 1333 SIXTEENTH STREET N. W., WASHINGTON 6, D. C. Send changes of address to: Psychological Abstracts, 1333 Sixteenth Street N. W., Washington 6, D. C. Changes of address must reach the subscription office by the 25th of the month to take effect the following month. Undelivered copies resulting from address changes will not be replaced; subscribers should notify the post office that they will guarantee second-class forwarding postage. Other claims for undelivered copies must be made within four months of publication.

CONTENTS

General 8273-8356
Theory & Systems • Methods & Apparatus • New Tests • Statistics • Reference Works • Organizations • History & Biography • Professional Problems of Psychology • Films

Physiological Psychology 8357-8393
Nervous System

Receptive and Perceptual Processes 8394-8460
Vision • Audition

Response Processes 8461-8493

Complex Processes and Organizations 8494-8571
Learning & Memory • Thinking & Imagination • Intelligence • Personality • Aesthetics

Developmental Psychology 8572-8615
Childhood & Adolescence • Maturity & Old Age

Social Psychology 8616-8691
Methods & Measurements • Cultures & Cultural Relations • Social Institutions • Language & Communication

Clinical Psychology, Guidance, Counseling 8692-8789
Methodology, Techniques • Diagnosis & Evaluation • Treatment Methods • Child Guidance • Vocational Guidance

Behavior Deviations 8790-8957
Mental Deficiency • Behavior Problems • Speech Disorders • Crime & Delinquency • Psychoses • Psychoneuroses • Psychosomatics • Clinical Neurology • Physically Handicapped

Educational Psychology 8958-9068
School Learning • Interests, Attitudes & Habits • Special Education • Educational Guidance • Educational Measurement • Education Staff Personnel

Personnel Psychology 9069-9101
Selection & Placement • Labor-Management Relations

Industrial and Other Applications 9102-9120
Industry • Business & Commerce • Professions

Annual Index pages 863- 952

SUBSCRIPTION $8.00 A YEAR FOREIGN $8.50

PUBLISHED BIMONTHLY BY

THE AMERICAN PSYCHOLOGICAL ASSOCIATION, INCORPORATED

Entered as second-class matter February 15, 1954, at the post office at Washington, D. C., under the Act of March 3, 1879. Additional entry at the post office at Lancaster, Pa. Acceptance for mailing at the special rate of postage provided for in the Act of February 28, 1925, embodied in paragraph (d-2), Section 34.40, P. L. and R. of 1948, authorized October 24, 1947.

Copyright 1954 by the American Psychological Association, Inc.

Recent Publications in

THE CENTURY PSYCHOLOGY SERIES

ELEMENTARY STATISTICS

By Benton J. Underwood, Carl P. Duncan, Janet A. Taylor, and John W. Cotton

A concise, clear-cut, brief presentation of basic statistical theory for introductory college courses. The emphasis is placed upon statistics as a device to be applied to actual research situations and on statistical techniques which can be mastered without a knowledge of their mathematical derivation.
Large Octavo, 248 pages, $3.25.
A WORKBOOK to accompany ELEMENTARY STATISTICS provides ample practice in the application of the methods and techniques discussed in the text to actual research data.

STATISTICAL METHODS IN EDUCATIONAL AND PSYCHOLOGICAL RESEARCH

By James E. Wert, Charles O. Neidt, and J. Stanley Ahmann.

This is a thorough-going explanation of the statistical techniques most frequently used in the solution of research problems in education and psychology, illustrated by a wide variety of actual research problems. Although intended primarily for a two-semester course, it may be adapted by selection to the needs of shorter courses.
Large Royal Octavo, 435 pages, $5.00.

MODERN LEARNING THEORY

By William K. Estes, Sigmund Koch, Kenneth MacCorquodale, Paul E. Meehl, Conrad G. Mueller, William N. Schoenfeld, and William S. Verplanck.

In this book, for the first time, an attempt has been made by a group of distinguished psychologists to analyze and evaluate five preeminent learning theories—those developed by Clark L. Hull, Edward C. Tolman, B. F. Skinner, Kurt Lewin, and Edwin R. Guthrie—with a view toward determining their influence, clarifying their differences, and revealing their common characteristics.
Large Royal Octavo, 379, pages, $5.00

THE WORK OF THE COUNSELOR

By Leona E. Tyler

This book is designed to serve both as an introductory text for students planning to go into counseling, and as a help to partially trained counselors. It opens with a discussion of the counselor's function in modern society, and then proceeds from a detailed consideration of the initial interview to discussions of the ways in which other sources of information can be obtained.
Large Octavo, 323 pages, $3.00.

Appleton-Century-Crofts, Inc.

Publishers of THE NEW CENTURY CYCLOPEDIA OF NAMES
35 West 32nd Street, New York 1, N. Y.

Publication Manual

of the

American

Psychological Association

This manual, written by the Association's Council of Editors, gives detailed instructions on the preparation of scientific articles. The organization and presentation of tabular material, figures and graphs, and reference lists are included. All scientists who are writing for publication will find the manual an indispensable guide.

Price, $1.00

Discounts for quantity orders over fifty copies

Order from

AMERICAN PSYCHOLOGICAL ASSOCIATION
1333 Sixteenth Street N. W.
Washington 6, D. C.

Psychological Abstracts

VOLUME 28 • 1954

EDITOR
C. M. LOUTTIT
(*Wayne University, Detroit 1, Michigan*)

ASSISTANT EDITOR
ALLEN J. SPROW

Editorial Office: WAYNE UNIVERSITY, DETROIT 1, MICH.; *Business Office:* 1333 SIXTEENTH STREET N. W., WASHINGTON 6, D. C. Send changes of address to: Psychological Abstracts, 1333 Sixteenth Street N. W., Washington 6, D. C.

PUBLISHED BIMONTHLY BY

THE AMERICAN PSYCHOLOGICAL ASSOCIATION, INCORPORATED

CONTENTS

Issue Number	1-2	3-4	5-6	7-8	9-10	11-12
General	1	1786	3488	5121	6734	8273
Theory & Systems	24	1804	3494	5141	6740	8284
Methods & Apparatus	84	1822	3534	5179	6751	8297
New Tests	104	1843	----	5197	6768	8305
Statistics	109	1852	3552	5204	6769	8308
Reference Works	152	1905	3615	5237	6826	8319
Organizations	157	1910	3619	5244	6836	----
History & Biography	164	1912	3624	5268	6837	8324
Professional Problems	194	1944	3652	5296	6856	8340
Films	----	----	3684	----	----	----
Physiological Psychology	232	1958	3685	5328	6879	8357
Nervous System	257	1973	3701	5352	6893	8368
Receptive and Perceptual Processes	299	2017	3716	5384	6926	8394
Vision	324	2047	3744	5412	6949	8406
Audition	377	2130	3832	5475	7047	8449
Response Processes	395	2151	3845	5484	7074	8461
Complex Processes & Organizations	442	2188	3900	5570	7108	8494
Learning & Memory	464	2202	3917	5590	7129	8512
Thinking & Imagination	534	2239	4006	5640	7192	8548
Intelligence	544	2260	4024	5654	7207	8556
Personality	547	2262	4031	5660	7211	8559
Aesthetics	572	2289	4053	5687	7237	8567
Developmental Psychology	----	----	----	5703	7251	8572
Childhood & Adolescence	602	2307	4071	5708	7252	8575
Maturity & Old Age	656	2356	4101	5760	7314	8611
Social Psychology	670	2387	4111	5786	7324	8616
Methods & Measurements	719	2457	4164	5844	7379	8643
Cultures & Cultural Relations	736	2469	4186	5874	7389	8656
Social Institutions	783	2513	4213	5901	7411	8663
Language & Communication	836	2535	4254	5940	7441	8681
Clinical Psychology, Guidance, Counseling	876	2555	4283	5976	7471	8692
Methodology, Techniques	903	2589	4305	6002	7492	8705
Diagnosis & Evaluation	924	2607	4326	6011	7504	8709
Treatment Methods	979	2697	4406	6069	7564	8740
Child Guidance	1095	2777	4492	6151	7633	8775
Vocational Guidance	1109	2799	4495	6168	7649	8781
Behavior Deviations	1123	2806	4508	6177	7658	8790
Mental Deficiency	1174	2851	4530	6205	7685	8810
Behavior Problems	1203	2883	4550	6223	7706	8830
Speech Disorders	1261	2950	4604	6274	7763	8856
Crime & Delinquency	1279	2961	4615	6286	7777	8862
Psychoses	1302	2981	4636	6331	7802	8876
Psychoneuroses	1353	3044	4687	6377	7843	8906
Psychosomatics	1380	3067	4704	6391	7855	8910
Clinical Neurology	1405	3110	4731	6417	7890	8930
Physically Handicapped	1434	3146	4780	6443	7916	8950
Educational Psychology	1446	3171	4797	6461	7937	8958
School Learning	1459	3184	4809	6479	7951	8967
Interests, Attitudes & Habits	1505	3231	4873	6527	8014	9000
Special Education	1521	3246	4898	6548	8035	9011
Educational Guidance	1533	3267	4910	6563	8056	9020
Educational Measurement	1552	3281	4926	6583	8067	9034
Education Staff Personnel	1582	3299	4956	6600	8096	9049
Personnel Psychology	1592	3317	4979	6611	8108	9069
Selection & Placement	1614	3337	4993	6627	8140	9076
Labor-Management Relations	1632	3370	5018	6648	8196	9092
Industrial and Other Applications	1643	3387	5053	6666	8227	9102
Industry	1644	3388	5058	6672	8228	9103
Business & Commerce	1664	3433	5082	6704	8266	----
Professions	1673	3436	5084	6708	8270	9117
Unpublished Theses	1686	3449	5100	6715	----	----

CONTENTS

Course	Item Number	1-3	3-6	7-8	8-10	11-12
Theory & Systems	1	1788	3466	5113	6794	8223
Methods & Approaches	34	1804	3484	5141	6810	8239
Key Texts	84	1822	3504	5179	6847	8257
Statistics	104	1841		5197	6863	8276
Reference Works	124	1858	3533	5224	6879	8294
Organizations	143	1876	3551	5241	6897	8313
Glossary & Directory	167	1893	3569	5264	6914	8331
Professional Problems	184	1911	3587	5282	6932	8349
Ethics	194	1929	3605	5299	6949	8367
Psychological Theories	214	1946	3623	5316	6967	8385
Reference Services	227	1964	3641	5334	6984	8403
Interviews and Personnel Procedures	247	1981	3659	5351	7002	8421
Law	267	1999	3677	5369	7019	8439
Archives	287	2017	3695	5386	7037	8457
Personnel Procedures	307	2034	3713	5404	7054	8475
Circulation & Organization	327	2052	3731	5421	7072	8493
Cataloging & Indexing	347	2070	3749	5439	7089	8511
Training & Education	367	2087	3767	5456	7107	8529
Personality	387	2105	3785	5474	7124	8547
Evaluation & Appraisal	407	2123	3803	5491	7142	8565
Personnel Psychology	427	2140	3821	5509	7159	8583
Circulation & Collection	447	2158	3839	5526	7177	8601
Selection & Acquisition	467	2176	3857	5544	7194	8619
Social Psychology	487	2193	3875	5561	7212	8637
Cataloging & Classification	507	2211	3893	5579	7229	8655
Personnel Problems	527	2229	3911	5596	7247	8673
Clerical Personnel	547	2246	3929	5614	7264	8691
Personnel Management	567	2264	3947	5631	7282	8709
Selection & Placement	587	2282	3965	5649	7299	8727
Labor-Management Relations	607	2299	3983	5666	7317	8745
Industrial and Labor Applications	627	2317	4001	5684	7334	8763
Industry	647	2334	4019	5701	7352	8781
Business & Commerce	667	2352	4037	5719	7369	8799
Professions	687	2369	4055	5736	7387	8817
Occupational Terms	707	2387	4073	5754	7404	8835

Psychological Abstracts

VOLUME 28 NOVEMBER 1954 NUMBER 11

GENERAL

8273. **Arnold, Magda B.** (Loyola U., Chicago Ill.), **& Gasson, John A. The human person; an approach to an integral theory of personality.** New York: Ronald Press, 1954. x, 593 p. $5.75.—A group of Catholic psychologists considers the role of theory in psychology and the fundamentals of a theory of personality which can integrate all the necessary facts about man and his place in nature. In addition to the several chapters by the editors, there are contributions on theory by Walter Smet and Sister Annette Walters; on freedom and determinism by Noël Mailloux; on the self ideal by Vincent V. Herr; on contemporary learning theory by Frank J. Kobler; on counseling by Charles A. Curran; and on psychology as normative by Alexander A. Schneiders. Two final chapters deal with religion in client-centered therapy and with religion in personality integration.—(W. L. Wilkins)

8274. **Blackhurst, J. Herbert. Body-mind and creativity.** New York: Philosophical Library, 1954. 186 p. $3.00.—Sixteen discourses on the subjects: The nature of man, Self and environment, and How man becomes man. The basic tenet is that man is a center of creativity; so "the world one knows is the mental aspect of the believing organism."—(J. R. Kantor)

8275. **de Saint-Yves, Leonard. (Ed.) Selected writings of de Sade.** London: Peter Owen Ltd., 1953. 306 p. (New York: British Book Centre. $6.75.)—The 12 works or parts of works by Marquis de Sade published here in English are selected to give a picture of de Sade as writer and thinker. In the preface, the editor evaluates the selections included.—(C. M. Louttit)

8276. **Ekman, Gösta. Differentiell psykologi.** (Differential psychology.) Stockholm: Almquist och Wiksell, 1952. 312 p.—First part is devoted to the historical background of differential psychology and to the most important methods of collecting facts. Second part pertains to "questions concerning the aspects under which individuals differ" (dimensions and variables). In the third part "manner in which individuals are different, that is problems concerning the variations form" are treated. Fourth part is devoted to questions of the correlation of variables and its interpretation. In the fifth part the author discusses the last of four principal problems of the differential psychology, namely causes of the variation (intergroup differences, heredity and environment). 183-item bibliography.—(M. Choynowski)

8277. **Gorer, Geoffrey. The life and ideas of the Marquis de Sade.** (Rev. ed.) London: Peter Owen Ltd., 1953. 244 p. (New York: British Book Centre. $3.50.)—This is an enlarged second edition (first in 1934) with the chapter on de Sade's life including newly discovered material, the chapters on literary work, philosophy, God and nature, politics, sex pleasure and love, and sadism and algolagnia rewritten, and a new chapter, "Twenty Years After," reassessing de Sade and the concept of sadism. Bibliography of de Sade's published works.—(C. M. Louttit)

8278. **Krueger, Felix. Zur Philosophie und Psychologie der Ganzheit. Schriften aus den Jahren 1918–1940.** (On the philosophy and psychology of wholeness. Writings from the years 1918–1940.) Berlin: Springer, 1953. 347 p.—The editor Eugen Heuss summarizes in the introduction Krueger's researches into the wholeness of human psychology and his epistemological investigations into the "soul, this borderline concept of philosophy and *Weltanschauung.*" Reprinted are the 9 principal contributions during the two decades when the author occupied the Chair of Psychology and Philosophy at Leipzig, and helped to found the "Second Leipzig School of Psychology." The papers include "the depth-dimension and contradictions of the emotional life" (1918), "the structural basis of emotion and will" (1936), "on psychic wholeness" (1926), "experiental wholeness and the structure of the soul" (1930), and "developmental psychology of wholeness" (1939). 71-item bibliography. Portrait.—(C. T. Bever)

8279. **Leuba, Clarence. The natural man.** Garden City, N. Y.: Doubleday, 1954. x, 70 p. 95¢.—This book brings "together some findings of scientific research helpful in answering the question 'What is the essential nature of man?'" This booklet is organized into and approaches the question on 3 levels: A study of the observed characteristics of wild children; A study of the behavior of chimpanzees; and A study of the varieties of cultural and related characteristics of nonliterate people. The author concludes that until certain suggested controlled scientific observations "can be made the natural man remains an abstraction—an inference..." from the above-mentioned studies.—(C. W. Page)

8280. **Marcuse, F. L. (Ed.)** (State College Washington, Pullman.) **Areas of psychology.** New York: Harper, 1954. viii, 532 p. $5.00.—As an elementary text, this volume is designed to give the student a general overview of a number of special fields in psychology. The authors and their topics are: A. G. Nelson, Vocational guidance; Patricia Smith, Selection and placement of workers; T. A. Ryan, Efficiency in work; H. P. Weld, Psychology of testimony; R. Corsini, Criminal and correctional

psychology; R. B. MacLeod, Social psychology; L. B. Murphy & M. Rabben, Child psychology; F. S. Freeman, Educational psychology; Béla Mittelmann & Laura Malkenson, Abnormal psychology; B. Steinzor, Clinical psychology; B. F. Reiss, Physiological psychology; H. G. Birch, Comparative psychology; and R. H. Gundlach, Psychology and aesthetics. Selected and annotated chapter references.—(C. M. Louttit)

8281. **Mursell, James L. How to make and break habits.** Philadelphia: Lippincott, 1953. 313 p. $3.95.—A self-help guide to breaking bad habits and making new ones for the normal person, one who is able to understand, to control, to help himself. Success means full functioning, which depends profoundly on one's habits. To change one's life, to get on a new track, means basically to change one's habits; to unlearn, to modify, or to re-organize. This is essentially a task of understanding one's self; understanding the meaning of the habit and the purpose it serves. Techniques are given for discovering this purpose, in the interest of discarding the useless habits and substituting useful ones.—(L. R. Steiner)

8282. **Ouspensky, P. D. The psychology of man's possible evolution.** New York: Knopf, 1954. vii, 114 p. $2.50.—Five lectures on a "different" kind of psychology. There are four centers: the intellectual seated in the brain, the emotional in the solar plexus, the moving and instinctive in the spinal cord (p. 77).—(J. B. Kantor)

8283. **Pitt, William J.** (Brooklyn Coll., New York.), **& Goldberg, Jacob A. Psychology.** New York: McGraw-Hill, 1954. v, 414 p. $4.50.—An introductory text providing an "over-all description of the field... and how its principles can be practically applied in (the students') lives." The major objective "is to focus the teachings of social, applied, and educational psychology on the personal problems... and community forces, faced by young people." The volume is divided into 4 parts sequentially dealing with psychology and the individual, personality and family relationships, college career and vocational guidance, and community and social adjustment. Each part consists of 4 or five chapters.—(L. A. Pennington)

THEORY & SYSTEMS

8284. **Arlow, Jacob A. Critique.** *Annu. Surv. Psychoanal.*, 1952, **1**, 13–52.—Summarizes articles dealing with "the frame of reference of psychoanalytic controversy," general critiques of psychoanalysis, critiques of specific psychoanalytic concepts, and critiques of Freud's contributions.—(F. Costin)

8285. **Arlow, Jacob A. Ego psychology.** *Annu. Surv. Psychoanal.*, 1952, **1**, 109–142.—After reviewing articles dealing with general theories of ego psychology, the author summarized papers which have to do with more specific functions of the ego: theory of thought processes, learning difficulties, sublimation, symbolism, and mechanisms of defense. He feels, as a result of his survey of the literature, that "psychoanalysis, as Freud had anticipated, is emerging as the basis for a general theory of psychology."—(F. Costin)

8286. **Barcikowski, Wacław. Podstawy psychologii biologiczno-społecznej według doc. dra Romana Markuszewicza.** (Foundations of the bio-social psychology of Roman Markuszewicz.) *Myśl Wspołcz.*, 1948, No. 10 (29), 211–254.—This is the outline of the theoretical views of Markuszewicz, Polish psychiatrist and neurologist (1894–1946). He bases his materialistic psychology on five principles, namely the principles of evolution, of the reduction of mental phenomena to the phenomena of drives, of the psychical determinism, of the connection of the drives' organization with the conditions of existence, and of the mental unity. Markuszewicz bases his theory on the self-preservation drive and develops rather elaborate theory of psychoneuroses. "The state of mental health is marked by the suppression of the infantile instinct of self-preservation, in the psychoneurosis there is insufficient repression of this drive." The article ends with the short biography of Markuszewicz.—(M. Choynowski)

8287. **Chebysheva, N. A. Literatura o I. P. Pavlove, vyshedshaîa za period s maîa 1952 g. po aprel' 1953 g.** (Literature on I. P. Pavlov, published for the period from May, 1952 to April, 1953.) *Fiziol. Zh. SSSR*, 1953, **39**(5), 650–661.—A bibliography, listing books on Pavlov and Pavlovian theory in contemporary research in psychology, pedagogy, hygiene, medicine, etc.—(I. D. London)

8288. **Chein, Isidor.** (New York U.) **The environment as a determinant of behavior.** *J. soc. Psychol.*, 1954, **39**, 115–127.—"...the present schema points out one way in which psychology can enrich itself with certain anthropological and sociological findings without deviating from its own fundamental outlook or systematic structure."—(J. C. Franklin)

8289. **Coombs, C. H., Raiffa, H., & Thrall, R. M.** (U. Michigan, Ann Arbor.) **Some views on mathematical models and measurement theory.** *Psychol. Rev.*, 1954, **61**, 132–144.—This article presents a discussion of the coordinate relationship of mathematical models and empirical observations of the real world. Scales of measurement are taken as examples of the application of mathematical models and the point is made that if the axioms of these scales are not satisfied by that segment of the real world which is mapped into them, then the interpretations of the mathematical conclusions may have no meaning or reality. It is for this reason that it is possible to impose on the real world an abstract theory which may be invalid. A partial ordering of various alternative mathematical systems available for measurement is presented with illustrations in order to reveal the relative strengths of these scales to which the real world must conform to permit their application.—(E. G. Aiken)

8290. **Frenkel-Brunswik, Else.** (U. California, Berkeley.) **Psychoanalysis and the unity of science.** *Proc. Amer. Acad. Arts. Sci.*, 1954, **80**,

271–350.—Freudian psychoanalysis is examined from the point of view of its scientific legitimacy and operational status in terms of modern views of the theoretical structure of science. While recognizing the reasonableness of certain criticisms of psychoanalysis, the author develops the theme that such concepts as id, ego, superego, instinct, etc., are hypothetical constructs related to observation in the same way that the concepts of nuclear particles are. While there has not been consistent identification by psychoanalysts of concepts as theoretical, they should be so considered. In these circumstances, psychoanalysis does conform to the pattern of modern scientific theory. 73-item bibliography.—(C. M. Louttit)

8291. **Ginsberg, Arthur.** (New York U.) **Hypothetical constructs and intervening variables.** *Psychol. Rev.*, 1954, **61**, 119–131.—This paper reviews the arguments for considering hypothetical constructs and intervening variables as different and the same and attempts to justify the conclusions, "(a) that there are fundamental methodological and logical distinctions between what might be termed intervening variables and hypothetical constructs, but (b) that the grounds for these distinctions are other than those cited by MacCorquodale and Meehl." 17 references.—(E. G. Aiken)

8292. **Grotjahn, Martin, & Gabe, Sigmund. History.** *Annu. Surv. Psychoanal.*, 1952, **1**, 1–12.—The papers summarized in this chapter cover biography and historical surveys. Included in the latter are articles concerning the history of child analysis, history of psychonalytic theory and practice (recent trends), and recent history of psychoanalytic trends in America. The authors emphasize the importance of the publication of Freud's letters to Fliess. In general, the studies surveyed "reveal a uniform tendency to review the past in order to furnish a background for a clearer understanding of newer developments in psychoanalysis."—(F. Costin)

8293. **Ivanov-Smolenskiĭ, A. G. Ob izuchenii tipov vysshei nervnoi deĭatel'nosti zhivotnykh i cheloveka.** (On the study of types of higher nervous activity in animals and man.) *Zb. vyssh. nervn. Deĭatel'.*, 1953, **3**(1), 36–54.—After a discussion of Pavlov's evolving conceptions of "type of higher nervous activity," an analysis of the present status of Soviet research in this area is detailed. The author concludes that research here is much too weak and outlines the possibilities of active research on the subject.—(I. D. London)

8294. **Piaget, J. Structures opérationnelles et cybernétique.** (Functional structures and cybernetics.) *Année psychol.*, 1953, 53, 379–390.—Cybernetics constitutes a mathematization of thought. The functional theory of intelligence leads to a pattern of thought structures such as are observed psychologically. Cybernetics constitutes a pattern of general mechanisms of information and construction that occur in the nervous process. A relative correspondence exists between the two kinds of pattern. This correspondence is the forerunner of an isomorphism between functional psychological and certain nervous structures.—(G. E. Bird)

8295. **Teplov, B. M. Ob ob"ektivnom metode v psikhologii.** (On the objective method in psychology.) *Sovetsk. Pedag.*, 1952, **16**(7), 66–86.—A materialist psychology, basing itself on Pavlovian principles, cannot employ the method of self-observation. It must use strictly objective methods, which, however, may make use of verbal material supplied by experimental subjects. Soviet materialist psychology differs from American behaviorism in that it refuses to reject consciousness as a proper subject matter for scientific study in psychology. As a matter of fact, the subject matter of psychology is the study of the psyche as the "subjective reflection of an objective world existing independently of consciousness" and as the "product of the most highly organized matter—the brain." The author discusses various problems concerning methodology in psychology and details the properties of

8296. **Wright, H. W.** (Waterloo Coll., Ont., Can.) **The significance of communication for psychological theory.** *Canad. J. Psychol.*, 1954, **8**, 32–40.—Psychologists have not appreciated the importance of communication in psychological theory. "Communication discloses a difference amounting to a dualism in: 1. the two aspects of its activity, 2. the two fields in which it occurs, 3. the two forms of personal association it brings about, and 4. the two kinds of values it realizes." This is a dualism which differs in activity and organization. The first activity is of verbal or linguistic response, the second is that of interpreting the meaning of speech. "A second basic fact... is that communication can play its necessary part... because of the dualism which characterizes it."—(E. D. Lawson)

(See also abstract 8959)

METHODS & APPARATUS

8297. **Blackwell, H. Richard, Pritchard, Benjamin S., & Ohmart, James G.** (U. Michigan, Ann Arbor.) **Automatic apparatus for stimulus presentation and recording in visual threshold experiments.** *J. opt. Soc. Amer.*, 1954, **44**, 322–326.—"An apparatus is described which automatically controls the presentation of light stimuli and records subjects' responses in visual threshold experiments. The apparatus includes: (a) a tape reader which controls the magnitude and time of occurrence of light stimuli in accordance with the location of holes in a programming tape, and (b) a punch recorder which makes a permanent record of the conditions of each light stimulus and of the responses made by... subjects."—(F. Ratliff)

8298. **Faverge, J. M. La théorie de l'information en psychologie expérimentale.** (The theory of information in experimental psychology.) *Année psychol.*, 1953, **53**, 463–476.—The following topics are discussed: concept of the quantity of information, trans-

mitted information, material of experimentation, successive approximation, experiments in the constancy of R, tachistoscopic experiments, immediate recall, absolute judgment, time necessary to gain and use information, theory of information and tests, and practical applications of the theory of information. 17 references.—(G. E. Bird)

8299. **Heathcote, A. W. William Whewell's philosophy of science.** *Brit. J. Phil. Sci.*, 1954, **4**, 302–314.—An exposition of Whewell's philosophy of science with particular reference to logic and scientific method.—(P. E. Lichtenstein)

8300. **Kaplan, Sylvan J., & Thoma, George E., Jr. The research program for the University of Texas-USAF SAM Primate Laboratory.** *USAF Sch. Aviat. Med. Proj. Rep.*, 1953, Proj. No. 21-3501-0003, Rep. No. 1, iii, 4 p.—This report presents the research program of the University of Texas-USAF School of Aviation Medicine Primate Laboratory. The program's ultimate objective is to gain information regarding pathogenesis, diagnosis, attenuation, and therapeusis of radiation effects. The article stresses interdisciplinary research coordination, particularly between biologic and behavioral investigations. It outlines biologic and behavioral programs indicating in the latter, cognitive, sensorimotor, and manipulative functions are the major areas to be investigated.

8301. **McLaughlin, Samuel C., Jr.** (School of Aviation Medicine, U. S. Naval Air Station, Pensacola, Fla.) **An automatic-recording visual adaptometer.** *J. opt. Soc. Amer.*, 1954, **44**, 312–314.—"A visual adaptometer which employs a direct mechanical linkage between brightness-control mechanism and recorder is described. Brightness of the test field, which is controlled by the subject, is not uniform, one half being darker than the other by a small fixed amount. The subject's visual threshold is approximated by requiring him to adjust the brightness of the split field so that he is able to see only the brighter portion of it. The device may be operated by the subject with little or no assistance from the experimenter and yields a nearly continuous plot of absolute visual threshold as a function of time."—(F. Ratliff)

8302. **Morin, J. Le cumulateur normal.** (The normal adder.) *Travail hum.*, 1953, **16**, 283–286.—Description of a device, in the general design of a rotary slide rule, for obtaining a total mark from results on several different tests.—(R. W. Husband)

8303. **Priestley, Bruno S., & Medine, Myer M. A new attachment for the projection perimeter.** *Amer. J. Ophthal.*, 1954, **37**, 261–262.—An attachment for the Maggiore perimeter permits rapid movement of the test object at right angles to the perimeter arc.—(D. Shaad)

8304. **Reuchlin, M. Utilization en psychologie de certains plans d'expérience.** (The utilization in psychology of certain plans of experience.) *Annee psychol.*, 1953, **53**, 59–81.—The plan of an experience is the logical structure. Statistical procedure and experimental planning are two aspects of the whole which includes the totality of logical exigencies of the general process by which knowledge is accumulated through experience. The relative merits of the factorial, the clinical and the experimental are discussed. 53 references.—(G. E. Bird)

(See also abstract 8579)

New Tests

8305. **Finch, F. H., Kuhlmann, F., & Betts, G. L. Kuhlmann-Finch Intelligence Tests.** Kgn.-gr. 12, 9 levels. 1 form, each level. 25 (30) min. Test booklet ($1.95 per 25) with instructions, keys; IBM answer sheet (95¢ per 25); manual, pp. v + 57 ($1.00); specimen set ($1.50). Philadelphia: Educational Test Bureau, 1953.—(See *J. consult. Psychol.*, 1954, **18**, 77.)

8306. **King, Joseph E., & Wingert, Judith W. IPI Merit Rating Series.** Industrial employees, 5 scales, clerical, mechanical, sales, supervisor, technical. Rating form ($4.00 per 20); manuals, pp. 20, 8; specimen set ($3.00). Tucson, Ariz.: Industrial Psychology, Inc., 1953.—(See *J. consult. Psychol.*, 1954, **18**, 77.)

8307. **Phelps, Victor N. Evaluation of attitudes toward home and family life.** *Curriculum Bull., Univ. Oregon, Sch. Educ.*, 1952, No. 106. 6 p. (mimeo.)—This 103-item test is designed for use in junior high schools to stimulate interest in family relationships—particularly the religious, social, recreational, economic, and general welfare activities carried on in the home situation.—(A. E. Kuenzli)

(See also abstracts 8549, 8724, 9077, 9086)

Statistics

8308. **Burt, Cyril. L'analyse factorielle dans la psychologie anglaise en se référant spécialement à l'oeuvre du Professeur Spearman.** (The factor analysis in the English psychology with the special reference to the work of Professor Spearman.) *Biotypologie*, 1947, **9**, 7–44.—In this paper the author describes in turn, among others, the origins of the factor analysis, the beginnings of the psychology of correlations, Spearman's correction for attenuation, the hierarchy of specific intelligences, the nature of general factor, "g" as mental energy, the theory of two factors, the theory of multiple factors, the problem of group factors, the neogenetic principles, search for group factors, the criterion of tetrad differences, and the factors as principles of classification. "The factor analysis is only the beginning, never the end, of the psychological research."—(M. Choynowski)

8309. **Cohen, Lillian. Statistical methods for social scientists; an introduction.** New York: Prentice-Hall, 1954. viii, 181 p. $4.00.—This introduction to statistics for social scientists introduces the reader to the application of statistical methods to a specific problem and considers in turn condensing the data in tabular and graphic form, measures of central value and dispersion, use of theoretical distributions as mathematical models,

sample design, statistical inference, and measures of association.—(A. J. Sprow)

8310. **David, Florence N., & Johnson, N. L.** (U. Coll., London, Eng.) **A test for skewness with ordered variables.** *Ann. Eugen., Lond.*, 1954, **18**, 351-353.—"The possible significance of any skewness which may be observed in a censored sample" is of concern to the authors. "The distribution of the skewness ratio (upper quartile) + (lower quartile) −2 (median) divided by (upper quartile) −(lower quartile) is discussed."—(S. M. Schoonover)

8311. **Delaporte, Pierre. Prolongement de la méthode d'analyse factorielle de Spearman en utilisant la statistique mathematique.** (The prolongation of the method of factor analysis of Spearman with the use of the mathematical statistics.) *Biotypologie*, 1947, **9**, 45-59.—Having applied the mathematical statistics to the two factors theory of Spearman, the author has found a simplified graphical method which permits to determine without any calculation the position and number of group factors with the help of the coefficients of observed correlations, as well as a much more precise estimation of the coefficient of correlation between trait and general factor or between trait and group factor. He hopes that this better statistical understanding of the two factors theory together with its enlargement by the introduction of group factors permits the application of Spearman's theory to a great number of biometrical, meteorological, econometrical and other problems.—(M. Choynowski)

8312. **Denton, John Charles, Jr. The validity, reliability, and variance of tests as functions of their item difficulty distributions.** In *Ohio State Univ., Abstracts of dissertations... 1950-51*, 1954, No. 65, 49-56.—Abstract of Ph.D. thesis.

8313. **Fruchter, Benjamin.** (U. Texas, Austin.) **Introduction to factor analysis.** New York: Van Nostrand, 1954. xii, 280 p. $5.00.—Requiring a background of only high school mathematics, this textbook provides an elementary presentation of the method of factor analysis. The first four chapters introduce fundamental concepts including matrix algebra and geometry. Factoring by diagonal, centroid, multiple group, and principal-axes methods are explained. Rotation on orthogonal and oblique axes is discussed. Two chapters deal with the interpretation of factors and illustrative uses of the methods. 46-page bibliography.—(C. M. Louttit)

8314. **Gruenberger, Fred. Computing manual.** (3rd ed.) Madison, Wis.: University of Wisconsin Press, 1953. 123 p. $2.00.—A textbook for training IBM machine computers including need for designing questionnaires or other data sheets to facilitate punching data onto cards. Separate chapters discuss digiting, cycling and selector control, bivariate tables, chi-squared analysis, random sampling, operating hints, electronic calculation, and wiring diagrams. Part II includes 13 laboratory exercises. Glossary of punched card terminology.—(C. M. Louttit)

8315. **Hoel, Paul G.** (U. California, Los Angeles.) **Introduction to mathematical statistics.** (2nd ed.) New York: Wiley, 1954. xi, 331 p. $5.00.—A rather extensive revision of the first edition (see **21**: 1721) for which "the material treated was selected to give the beginner a fairly broad introduction to both classical large-sample and modern small-sample methods." In this edition, basic concepts of elementary statistical theory have been introduced earlier, a chapter on probability has been added, the chapters on correlation and regression have been rewritten, the chapter on nonparametric methods and the material on the analysis of variance have been rewritten and expanded, and a large number of practice problems have been added.—(A. J. Sprow)

8316. **Mosel, James N.** (George Washington U., Washington, D. C.), **& Roberts, June B. The comparability of measures of profile similarity: an empirical study.** *J. consult. Psychol.*, 1954, **18**, 61-66.—Intercorrelations of five statistical indices of profile similarity and visual judgments were studied by means of intercorrelations. Results showed a wide range of disagreement among the various measures. "Cattell's coefficient showed the closest agreement with visual judgments, while the indices of DuMas, Meehl, Osgood and Suci, and Pearson followed in that order. The greatest agreement among the statistical indices was that between the coefficients of Meehl and Osgood."—(F. Costin)

8317. **Schreider, Eugène. Coup d'oeil sur les travaux inspirés par l'oeuvre de Charles Spearman.** (A glance on the works inspired by the work of Charles Spearman.) *Biotypologie*, 1947, **9**, 60-80.—This paper is essentially an introduction to the bibliography of works on the factor analysis. The author reviews shortly the most important trends, relating them to the names of Spearman, Thurstone and Thomson, and explains the principles of classification adopted in the bibliography. The bibliography comprises about three hundred titles since 1904 and is as complete as has been possible for the period 1939-1945. Its first section lists principal publications of Spearman and the remaining 19 sections are devoted to methods, techniques, theory and various fields of application of the factor analysis.—(M. Choynowski)

8318. **Williams, E. J. Tests of significance for concurrent regression lines.** *Biometrika*, 1953, **40**, 297-305.—It is shown that the concepts developed for tests of significance in multivariate analysis and for interactions may be carried over to dealing with a problem of concurrent regressions. It would clearly be possible to extend this work to regression analysis with two or more independent variates. The quantities required for testing significance would then, for k variates, come out as latent roots of a $(k + 1) \times (k + 1)$ matrix. Such a generalization, however, appears to lack practical interest.—(G. C. Carter)

(See also abstract 8493)

REFERENCE WORKS

8319. _____. **Canadian theses in psychology, 1953.** *Canad. J. Psychol.*, 1954, **8**, 46–48.—67 M.A. and Ph.D. thesis titles are listed.

8320. **Fraser, D. C. A psychological glossary.** Cambridge, Eng.: W. Heffer & Sons, 1954. vi, 40 p. *3s.6d.*—This is an attempt to take 23 terms encountered in current psychological discussion and to give them a setting for a reasonably exact understanding. It is intended primarily for the adult "extramural" student. 21 references.—(A. J. Sprow)

8321. **Frosch, John. (Ed.)** (New York U. School of Medicine.) **The annual survey of psychoanalysis; a comprehensive survey of current psychoanalytic theory and practice.** Vol. I. New York: International Universities Press, 1952. xvi, 556 p. $10.00.—A volume of detailed abstracts and summaries of psychoanalytic literature published in 1950. Articles abstracted in this issue. Referenced as a journal with abbreviation: *Annu. Surv. Psychoanal.*

8322. **Sandstrom, Carl Ivar. Psykologisk ordbok.** (Psychological dictionary.) Stockholm: Almquist och Wiksell, 1951. 135 p.—This dictionary contains about 4,000 defined terms, not only psychological (including statistics), but also physiological, psychiatric, sociological, etc., and (separately) over six hundred names of psychologists, psychiatrists, philosophers, etc., with their specialties and dates of birth and death.—(M. Choynowski)

8323. **Wulfeck, Joseph W.** (Tufts Coll., Medford, Mass.), **& Bennett, Edward M. The language of dynamic psychology as related to motivation research.** New York: McGraw-Hill, 1954. 111 p. $4.00.—Prepared under the auspices of the Committee on Motivation Research of the Advertising Research Foundation, this dictionary gives "one or two precise but simply worded definitions" and a comment giving shades of meaning or other factors in the connotation. The purpose of the volume is to give the lay advertising man definitions of words which he encounters in technical or semi-technical literature relating to problems of motivation.—(C. M. Louttit)

HISTORY & BIOGRAPHY

8324. _____. **Postanovlenie soveshchaniia po voprosam psikhologii.** (Resolution of the conference on problems of psychology.) *Sovetsk. Pedag.*, 1952, **16**(8), 99–103.—"Intolerable deficiences" which have retarded the establishment of Soviet psychology on Pavlovian bases are listed and briefly discussed. Measures are enumerated for ensuring the development of Soviet psychology along fruitful lines. Basic problems are indicated.—(I. D. London)

8325. _____. **Soveshchanie po koordinatsii nauchno-issledovatel'skikh rabot v oblasti dal'neĭshego razvitiia fiziologicheskogo ucheniia I. P. Pavlova.** (Conference on the coordination of scientific-research activities in the field of future development of I. P. Pavlov's physiological theory.) *Fiziol. Zh. SSSR*, 1953, **39**(3), 400–402.—Research on Pavlovian bases has not been coordinated, thus impeding the fulfillment of the decisions of various scientific conferences held since 1950. Concrete measures are recommended for rectification of the situation.—(I. D. London)

8326. [**Anon.**] **Calendar of psychiatry.** *Bull. Isaac Ray med. Libr.*, 1954, **2**, 32–40.—A chronological record of important events and landmarks in the history of psychiatry for the months January–March inclusive.

8327. **Dionesov, S. M., & Mikhailov, V. P. O naznachenii I. P. Pavlova professorom Tomskogo universiteta.** (On the appointment of I.P. Pavlov as professor at Tomsk University.) *Fiziol. Zh. SSSR*, 1953, **39**(3), 386–397.—Biographical material, relative to Pavlov's short-lived appointment to Tomsk University as professor, and commentary.—(I. D. London)

8328. **Freud, Sigmund. The origins of psychoanalysis; letters to Wilhelm Fliess, drafts and notes: 1887–1902.** New York: Basic Books, 1954. $6.75.—Authorized translation by Eric Mosbacher and James Strachey of "Aus den Anfangen der Psychoanalyse . . ." (see **27**: 2407).

8329. **Iakovlev, N. N. Eshchë ob obshchestvennoĭ deiatel'nosti I. P. Pavlova.** (Again on the social activity of I. P. Pavlov.) *Fiziol. Zh. SSSR*, 1953, **39**(3), 399.—An episode illustrating Pavlov's concern with social problems.—(I. D. London)

8330. **Kotbanowski, W. Nauka Pawłowa a psychologia.** (Pavlov's teaching and psychology.) *Myśl Współcz.*, 1950, No. 7(50), 44–61.—Having reviewed the central points of Pavlov's theory, the author analyses his attitude towards psychology. In spite of his sharply critical utterances, Pavlov was "deeply convinced that this science is indispensable." He only insisted that the real contact, maximal rapprochement between psychology and physiology is necessary. (Translation from the Russian.)—(M. Choynowski)

8331. **Konorski, J. I. P. Pawłow, jego życie i dzieło.** (I. P. Pavlov, his life and work.) *Myśl Współcz.*, 1949, No. 12(43), 343–349.—Short outline of the life and scientific achievement of Pavlov.—(M. Choynowski)

8332. **Lalaian, A. A. I. P. Pavlov i Kavkazskoe meditsinskoe obshchestvo.** (I. P. Pavlov and the Caucasian Medical Society.) *Fiziol. Zh. SSSR*, 1953, **39**(3), 398–399.—Biographical material, relative to Pavlov's connection with the Caucasian Medical Society, and commentary.—(I. D. London)

8333. **Langlois, Jean-Louis. Charcot: clinician and teacher.** *Bull. Isaac Ray med. Libr.*, 1954, **2**, 1–14.—Appreciation.

8334. **Menchinskaia, N. A., Sokolov, M. V. Shemiakin, F. N. K itogam soveshchaniia po voprosam psikhologii.** (Summary of the conference on problems of psychology.) *Sovetsk. Pedag.*, 1952, **16**(8), 88–99.—Soviet psychology has only just begun to "reconstruct itself on Pavlovian bases." A large number of

important problems remain unresolved, such as the delimitations of psychology and physiology with respect to each other, the relation of activity to the formation of a psyche which "reflects an objectively existing outer world," etc. Pavlovian theory is upheld as the "only correct path for [psychology's] future development." Stalin's works on linguistics are a source of inspiration yet to be sufficiently exploited by psychologists. Excerpts of papers and discussions are included and evaluated.—(I. D. London)

8335. **Nowicki, Andrzej. William McDougall—filozof anglo-amerykańskiego imperializmu.** (William McDougall, philosopher of the Anglo-American imperialism.) *Myśl Współcz.*, 1951, No. 9(64), 260-270.—In this article, abundantly documented with citations, McDougall is sharply criticized as a defender of the Anglo-American imperialism, religion, racial discrimination, fascism, eugenics and telepathy, as well as a glorifier of war and aggressiveness.—(M. Choynowski)

8336. **Peel, E. A.** (U. Birmingham, Eng.) **The permanent contribution of Francis Galton to psychology.** *Brit. J. educ. Psychol.*, 1954, **24**, 9-16.—In this brief appreciation of the man and his work it is stated that "Anthropology remained the integrating force in Galton's life and his creations in statistics, his interest in heredity and his inquiries into mental faculties, all sprang from this source."—(R. C. Strassburger)

8337. **Piéron, H. Charles Spearman. L'homme et le psychologue.** (Charles Spearman: man and psychologist.) *Biotypologie*, 1947, **9**, 1-5.—Some biographical facts and personal memories concerning the author's relations with Spearman, as well as a short review of his views and contributions. Portrait.—(M. Choynowski)

8338. **Smirnov, A. A. Sostoianie psikhologii i eë perestroika na osnove ucheniia I. P. Pavlova.** (The state of psychology and its reconstruction on the basis of I. P. Pavlov's theory.) *Sovetsk. Pedag.*, 1952, **16**(8), 61-88.—Soviet psychology must base itself on Pavlov's theory and Stalin's theory of linguistics. Very little has yet been done to reconstruct Soviet psychology on the basis of these theories. This is "intolerable." The author notes many continuing deficiencies in Soviet psychology, outlines its new problems, and suggests possibilities of new approach, definition, etc.—(I. D. London)

8339. **Tomaszewski, Tadeusz. W sprawie klasowego charakteru psychologii polskiej.** (On the class character of the Polish psychology.) *Myśl Współcz.*, 1950, No. 7(50), 3-24.—Three parts of this paper have titles "The subjective democraticism," "In the service of the capitalist regime" and "The apoliticity and its political significance." The author analyses in them various citations from Polish psychologists, beginning with Dawid, Abramowski, and Joteyko, and ending with Witwicki, Baley, and Szuman, among others, and shows their apparent or hidden reactionary character.—(M. Choynowski)

PROFESSIONAL PROBLEMS OF PSYCHOLOGY

8340. **Balint, Michael. Method and technique in the teaching of medical psychology. II. Training general practitioners in psychotherapy.** *Brit. J. med. Psychol.*, 1954, **27**, 37-41.—"A training scheme in psychotherapy is described in which the emphasis has been put on acquiring a personal skill instead of on teaching. The aim is to make the general practitioners aware of what their patient wants to convey to them, not so much by his words as by his whole behaviour, and of how their own general behaviour and actual responses influence what the patient can actually tell them. We have tried *not* to teach them what psychoanalytic or any other theory could say about the working of the human mind; instead we have aimed at enabling them to be free enough to feel and understand what is going on between the patient and themselves in their surgeries."—(C. L. Winder)

8341. **Brunner, Josef. Das Berufsgeheimnis des Erziehungsberaters.** (Professional confidences of the educational counselor.) *Heilpädag. Werkbl.*, 1954, **23**, 19-22.—Although the educational counselor is not specifically named in the Swiss laws regarding professional confidences, the sense of the laws does include him. There is both a moral obligation to keep these confidences and a practical necessity, if work with the child is to be continued. Information to a third party about the child should be released only with the written permission of the parents. In reports only the minimum necessary for recommendations as to further education and care of the child should be included. Publications of case studies in the literature should disguise the case sufficiently to make it unrecognizable. "Silence and speaking at the right moment are surely two essential traits of a good educational counselor."—(D. F. Mindlin)

8342. **Choynowski, Mieczysław. Nauczanie psychologii w Związku Radzieckim.** (Teaching of psychology in the Soviet Union.) *Myśl Współcz.*, 1950, No. 4(47), 66-84.—In this paper the general situation of psychology in USSR, its theoretical premises, tasks of the teaching of psychology, organization, curricula, and methods of instruction are reviewed, both in middle and higher education. 18 references.—(M. Choynowski)

8343. **Cohen, Louis D.** (Duke U., Durham, N. C.), **Monsh, Ivan, & Yacorzynski, G. K. The teaching of psychology courses in medical schools.** *J. med. Educ.*, 1953, **29**(3), 42-43.—There is a "general world trend for increasing concern with fundamentals of human behavior as a part of the medical school curriculum." To implement this trend curriculum reorganization of the following training periods may be needed: premedical, preclinical, clinical, and post graduate.—(S. Counts)

8344. **Criswell, Joan H. Support of graduate students in social psychology by the Office of Naval Research.** *Amer. Psychologist*, 1954, **9**, 148-150.—A discussion of the secondary function of ONR research projects—the training of scientists. This discussion

is in terms of students employed, length of assignment, relation of student thesis to project, publications or reports by the student on project data, degree obtained, and type of work obtained after graduation. —(J. Arbit)

8345. **Frosch, John.** (New York U.) **Psychoanalytic training and practice.** *Annu. Surv. Psychoanal.*, 1952, **1**, 390–398.—In general, the articles dealing with psychoanalytic training and practice summarized in this chapter reflect the current situation that "the demand for training has confronted the psychoanalyst with a situation which requires systematic research and the best possible organization of every available facility." Great changes have taken place in training and practice since the "early days."—(F. Costin)

8346. **Goldberg, Naomi, & Hyde, Robert W.** (Boston (Mass.) Psychopathic Hosp., 74 Fenwick Rd.) **Role-playing in psychiatric training.** *J. soc. Psychol.*, 1954, **39**, 63–75.—"Psychiatric personnel and psychotic patients were brought together in a role-playing situation for the purpose of educating the personnel. Through empathic behavior with the patient and the therapist, and with the help of criticisms from the patient-personnel audience, a clearer understanding of the 'role-patient' was achieved. Empathy was facilitated by minimizing ego-threats and reducing ego-defenses in an 'irreal' situation. The cathartic action of role-playing freed the participants for more spontaneous behavior on the ward."—(J. C. Franklin)

8347. **Jensen, Barry T. An evaluation of a course in elementary psychology taught by four different methods, with reference to several outcomes.** In *Ohio State Univ., Abstracts of dissertations... 1950–51*, 1954, No. 65, 143–147.—Abstract of Ph.D. thesis.

8348. **Kaess, W. A., & Bousfield, W. A.** (U. Connecticut, Storrs.) **The use of citations of authorities in textbooks of introductory psychology.** *Amer. Psychologist*, 1954, **9**, 144–148.—An analysis of the use of citations in nine textbooks in terms of the rank-frequency distribution of Zipf. This was based on the belief that an examination of an author's use of citations of authorities would provide a basis for appraising the type of book—specialized (systematic) or broad. Also given are the names of the authorities most frequently cited in each book and a general list of the most heavily used authorities in the textbooks. —(J. Arbit)

8349. **Lynch, William W., Jr.** (Indiana U., Bloomington.) **Student differences in competency in educational psychology prior to formal training.** *J. educ. Psychol.*, 1954, **45**, 110–120.—Teachers college freshmen were given tests on the content of educational psychology textbooks and on a case study test designed to measure ability to interpret and apply psychological information. A wide range of competence was exhibited, with 7.1% of the scores surpassing the median of seniors who had already completed a number of psychology courses. It was found that knowledge of subject matter is positively related to ability to apply such knowledge insofar as the latter is measured by the case study test. Scores on the criterion tests correlated with measures of intelligence and with certain attitudes toward child behavior, but showed no significant relationship to the amount of the student's direct experience with young children or to scores on the Minnesota Personality Scale.—(E. B. Mallory)

8350. **McKeachie, W. J., DeValois, R. L., Dulany, D. E., Jr.** (U. Michigan, Ann Arbor.), **Beardslee, D. C., & Winterbottom, Marian. Objectives of the general psychology course.** *Amer. Psychologist*, 1954, **9**, 140–142.—A discussion of the manner in which objectives for the instructor of general psychology may be arrived at: the objectives of the college and the place of this course in the curriculum, job analysis of the role of college students as citizens, the student's needs and expectations, the function of the course in the eyes of the profession as a whole, etc. An outline of the general objectives for the elementary psychology course at the University of Michigan is presented.—(J. Arbit)

8351. **Mathias, Charles Wilbur. A survey of the teaching of the first course in psychology in teacher-training institutions in the United States.** *Dissertation Abstr.*, 1953, **13**, 1249–1250.—Abstract of Ed.D. thesis, 1953, Indiana U.

8352. **Mathias, Charles Wilbur. A survey of the teaching of the first course in psychology in teacher-training institutions in the United States.** *Indiana Univ. Stud. Educ., Thesis Abstr. Ser.*, 1954, No. 5, 141–145.—Abstract of Ed.D. thesis.

8353. **Meredith, G. Patrick. Method and technique in the teaching of medical psychology. III. Some general comments.** *Brit. J. med. Psychol.*, 1954, **27**, 42–45.—The teaching of medical psychology is difficult, in part, because of the complexity of the subject matter and in part because of the impact on the student as a person. Child guidance is suggested as an excellent subject matter vehicle for starting instruction in medical psychology. The student's own personality and his own maturation and integration must receive attention if the end result of the teaching is to be an optimum physician.—(C. L. Winder)

8354. **Millar, W. M. Method and technique in the teaching of medical psychology. I. Teaching methods in psychiatry.** *Brit. J. med. Psychol.*, 1954, **27**, 30–36.—The author argues for adopting an "empirical approach" (direct observation and consideration of the patient, his characteristics, and his problems) and a limitation on teaching generalities and dogma. Students must learn to tolerate a degree of confusion and indefiniteness, and emphasis must be on "the development within the student of the capacity for critical thought and judgment." The program at the University of Aberdeen is described and results of a survey of student attitudes toward that program are presented.—(C. L. Winder)

8355. **Ogden, Donald P.** (U. Missouri, Columbia.) **Flesch counts of eight current texts for introductory psychology.** *Amer. Psychologist*, 1954, **9**, 143–144. —100-word samples were taken from ten pages ran-

domly selected from eight introductory psychology texts. These samples were analyzed for objective reading ease and human interest according to the techniques discussed by Flesch. It was concluded that by "Flesch's standards, none of the eight books could be classified as *Easy* or *Interesting* to read." —(J. Arbit)

8356. **Whitehorn, John C. (Ed.) The psychiatrist: his training and development.** Washington: American Psychiatric Association, 1953. viii, 214 p.—"This volume is the official report of the Conference on Psychiatric Education held at Cornell University... 1952." The primary interest was on the professional training of career psychiatrists. Basically, the discussion concerned the 3-year residency training program. Attention is directed to the content, methods, and special aspects of desirable and actual programs. Chapter 2 presents a statement of psychodynamic principles in which psychodynamics is defined as "the systematized knowledge and theory of human behavior and its motivation." The place of psychoanalysis and child psychiatry in the training program are discussed, and attention is drawn to special fields within psychiatry which require additional experience and training. Finally, the place of psychiatry in other medical specialties and in community and public health activities is examined.—(C. M. Louttit)

PHYSIOLOGICAL PSYCHOLOGY

8357. **Agerberg, John. The emotional reactions and their physiological mechanism.** *Acta psychiat., Kbh.*, 1953, Suppl. 80, 143-148.—Weak stimuli to the hypothalamus region produce far-reaching and very complicated effects on vegetative, motor, and receptive functioning. It is impossible to imagine the brain functioning without impulses coming from the periphery. Paradoxically, the center is in the periphery. The nature and mode of our thinking varies with our emotional status. The James-Lange theory is to be reevaluated.—(D. Prager)

8358. **Airapet'iants, Ė. SH. K fiziologii vnutrennikh analizatorov.** (On the physiology of the internal analyzers.) *Zh. vyssh. nervn. Deiatel'.*, 1952, **2**(4), 481-500.—Experimental evidence is marshalled to show that the "study of the huge complex of phenomena occurring in the internal environment of the organism" lies within the area of the "physiology of conditioned reflexes." Thus, Pavlov's prevision is upheld.—(I. D. London)

8359. **Ataev, M. M. Metodika odnovremennoĭ registratsii zrachkovykh reaktsiĭ i élektroėntsefalogrammy pri vyrabotke zrachkovykh uslovnykh refleksov u cheloveka.** (A method for simultaneous registration of pupillary reactions and electroencephalograms in the formation of pupillary conditioned reflexes in man.) *Fiziol. Zh. SSSR*, 1953, **39**(5), 622-626.—A method of simultaneous registration of pupillary reactions and EEG is described and characteristic recordings discussed.—(I. D. London)

8360. **Birûkov, D. A. K sravnitel'noĭ fiziologii i patologii uslovnykh refleksov.** (On the comparative physiology and pathology of conditioned reflexes.) *Zh. vyssh. nervn. Deiatel'.*, 1952, **2**(4), 518-534.—Contemporary work in the comparative physiology and pathology of conditioned reflexes is discussed. American researchers in these areas either are "prisoners" of an anti-Pavlovian idealism or are hampered by an "idealist mood," even when their work seems to be Pavlovian in character. American work must, therefore, be negatively viewed.—(I. D. London)

8361. **Brown, Frank A., Jr.** (Northwestern U., Evanston, Ill.), **Fingerman, Milton; Sandeen, Muriel I., & Webb, H. Marguerite. Persistent diurnal and tidal rhythms of color change in the fiddler crab *Uca pugnax*.** *J. exp. Zool.*, 1953, **123**, 29-60.—Analysis of diurnal chromatophore changes has confirmed the precision of the 24 hour rhythm. "The diurnal rhythm of melanin dispersion... is supplemented by a tidal rhythm of dispersion possessing 12.4 hour cycles." "Fiddler crabs collected from two different localities where the times of low tide differ by 4 hours show under constant laboratory conditions persistent tidal rhythms each in phase with their own habitat tidal changes." Possible implications of such rhythms are discussed.—(A. B. Shaklee)

8362. **Eldred, E., & Hagbarth, K.-E.** (Karolinska Institutet, Stockholm, Sweden.) **Facilitation and inhibition of gamma efferents by stimulation of certain skin areas.** *J. Neurophysiol.*, 1954, **17**, 59-65.—Myographs of the gamma efferents to the gastrocnemius and anterior tibialis of decerebrate cats were observed on stimulation of the skin of the hindlimb. "With each muscle, efferent gamma activity was facilitated from the skin over the muscle and was inhibited from other areas." The significance of this finding for reflex activity and for the initiation and cessation of movement is discussed.—(H. P. Van Cott)

8363. **Hick, W. E. Some features of the after-contraction phenomenon.** *Quart. J. exp. Psychol.*, 1953, **5**, 166-170.—"Unintentional muscular contraction following a voluntary contraction was found to be inhibited by instructions favoring relaxation, to be increased by a difficult concurrent task and to be superimposed on small voluntary contractions of the same muscles. It was not superimposed... on antagonistic contractions." Theoretical implications are discussed.—(M. J. Wayner, Jr.)

8364. **Lindegard, Bengt. Variations in human body-build: a somatometric and x-ray cephalometric investigation on Scandinavian adults.** *Acta psychiat., Kbh.*, 1953, Suppl. 86, 1-163.—A new method for describing individual body-build uses four variables: length, sturdiness, muscle, and fat factors. These objectively determined variables express not only the outer configuration of the body but also its structure. A large fat factor is associated with softness and roundness of the body. A large muscle factor is associated with high urinary creatinine and large extremital girths. Length and sturdiness factors are as-

sociated with skeletal morphology in different parts of the body. 114 references.—(D. Prager)

8365. **McCleary, Robert A., & Johnson, Richard H. Psycho-physiological effects of cold. II. The role of alcohol ingestion and complexion in manual performance decrement.** *USAF Sch. Aviat. Med. Proj. Rep.*, 1954, Proj. No. 21-1202-0004, Rep. No. 2, iii, 9 p.—64 subjects were timed on a manual performance test at 4 different ambient temperatures (0°, −10°, −20°, and −40°F.) after the ingestion of 60 cc. of 40 percent (by volume) alcohol. At −40°F., the ingested alcohol resulted in significantly less time being spent in "warming up" while completing the manual task. The "working time" required to complete the task was also significantly influenced at −40°F.

8366. **Müller, Rolf. Über den Erlebniswandel durch Pharmaka.** (Experiential changes by means of drugs.) *Z. Psychother. med. Psychol.*, 1954, **4**, 21-33.—Pharmaco-psychological experiments with glutamic acid are described. The effect of the drug upon human experiences is illustrated on basis of 4 case studies. The effect was found to depend upon basic personality structure and mood. Glutamic acid influences the experience of a person's relationship to his phenomenological environment, tending to facilitate awareness of objects and people in relation to the self. The heightened awareness can bring about changes in attitude toward the self, the world, toward work, and companions. Yet, sensitivity and reactivity are affected differently. When psychologically appropriate, glutamic acid can be used for increasing effectiveness in work. Proper controls are necessary since normal experience may be adversely affected by the drug. 23 references.—(E. Ochs)

8367. **Sorsby, Arnold. (Ed.) Clinical genetics.** London: Butlerworth; St. Louis: Mosby, 1953. x, 580, 23 p. $17.50.—The 29 chapters, by as many authors, of this volume present an encyclopedic review of genetic relations of diseases. While the writers assume a knowledge of the elements of genetics, the 10 chapters of Section I deal with general problems such as clinical varieties of genetic disease, penetrance and expression, twinning, sex limitation, linkage, mutation, biometry, and experimental methods. The 19 chapters of Section II are devoted to clinical problems of disease of the several organ systems. Of particular significance in psychology are the following: R. T. C. Pratt, Diseases of the nervous system; J. A. Böök, Oligophrenia; E. Staten, Psychiatry; A. Sorsby, The eye; H. Lindenov, The ear. Selected chapter bibliographies.—(C. M. Louttit)

(See also abstracts 8514, 8515, 8537)

Nervous System

8368. **Adey, W. R., Carter, I. D., & Porter, R.** (U. Adelaide, Australia.) **Temporal dispersion in cortical response.** *J. Neurophysiol.*, 1954, **17**, 165-181.—The cerebral representation of deep somatic sensitivity was mapped in the marsupial phalanger and rabbits by recording evoked cortical potentials on electrical stimulation of structures exposed from incisions at the distal ends of the forearms, lateral aspects of hindlimbs, and at the prehensile forepaw of the phalanger. Evidence indicated that deep sensibility is represented bilaterally in the first somatic area of both the phalanger and rabbit, with homolateral representation of each limb occupying areas concentric with and smaller than the contralateral representation. Patterns of temporal dispersion over the first somatic area for the two limbs are indicated, and constancies and changes in responsive zones of somatic areas are described. 27 references.—(H. P. Van Cott)

8369. **Amassian, Vahé E.** (U. Washington, Seattle.) **Studies on organization of a somesthetic association area, including a single unit analysis.** *J. Neurophysiol.*, 1954, **17**, 39-57.—Following stimulation of contralateral or ipsilateral arm and leg and cutaneous or muscle nerves of cats under anesthesia, evoked potentials from the cortex or white matter were recorded. Positive responses with a 15-38 msc. latency from the association area are at least partly dependent on the sensorimotor cortex relaying the afferent volley. The primary areas may relay both directly and indirectly to the association area. Maximal responses to arm and leg stimulation occur at identical cortical points but differ in shape. Analysis of the association cortex indicates that a single cell may be fired by stimulation of all four limbs and by auditory stimulation, but the response characteristics differ with the site of stimulation. 56 references.—(H. P. Van Cott)

8370. **Bingham, W. E., Jr. Electromagnetic and electrostatic fields: a neglected area in physiological psychology.** *J. Psychol.*, 1954, **37**, 225-231.—The author reviews 16 references on electromagnetic and electrostatic fields in relation to the nervous system, and points out several undeveloped areas of potential significance for psychology. We need further knowledge of the impulse, medical aids, sensory functions, and possible cerebral mechanisms.—(R. W. Husband)

8371. **Blum, Richard H.** (Stanford U., Calif.) **A note on the reliability of electroencephalographic judgments.** *Neurology*, 1954, **4**, 143-146.—Ten EEG records routinely taken on patients at a Veterans Administration hospital were submitted to five neurologists qualified as electroencephalographers who were requested to describe prescence or absence of pathology and localization of lesions. "The percentage of complete agreement on pathology was found to be 40, on localization 30, and on both combined 10. This low reliability of judgments by five experienced neurologists suggests caution in accepting electroencephalographic validity, and points to the need for further research."—(L. I. O'Kelly)

8372. **Cole, J., & Glees, P.** (U. Oxford, Eng.) **Effects of small lesions in sensory cortex in trained monkeys.** *J. Neurophysiol.*, 1954, **17**, 1-13.—Following training in tests of motor power, dexterity and tactile discrimination, small lesions were made by subpial suction or undercutting the sensory cortex of monkeys. Although the lesions caused definite impairment in all

of the tested abilities, substantial, and in some cases complete, recovery ensues. A correlation of functional and anatomical data indicates a connection between areas 3, 1 and 2 and area 4. These areas form a unit linked with the thalamus and spinal cord but sending few fibers into more anterior and posterior areas. 17 references.—(H. P. Van Cott)

8373. **Combs, C. Murphy.** (Northwestern U., Chicago, Ill.) **Electro-anatomical study of cerebellar localization. Stimulation of various afferents.** *J. Neurophysiol.*, 1954, **17**, 123-143.—The representation of spinocerebellar fibers in the cerebellar cortex was investigated by electrically stimulating dorsal roots and peripheral nerves and recording evoked potentials from the dorsal surface of the cerebellar cortex of 100 anesthetized and unanesthetized decerebrate cats. No differences were found between cerebellar projection areas of dorsal roots from various levels in the decerebrate unanesthetized animals. A precise fore- and hind-limb afferent localization was observed in the anesthetized animals. A double representation of sensory projection to the cerebellar cortex, one localized and one not localized is suggested. 32 references.—(H. P. Van Cott)

8374. **de Ajuriaguerra, J. Les apports de la pathologie nerveuse à la psychologie.** (The part played by nerve pathology in psychology.) *Année psychol.*, 1953, **53**, 323-378.—Among the topics discussed are symbolic and psychic disorders, prefrontal lobotomy, lesions and their localizations. Neuropathology permits an understanding of behavior in its totality, showing the interrelations between the body and the environment in proper perspective, making one more cautious in criticism and modest in appreciation, also permitting better treatment of illness. 94 references.—(G. E. Bird)

8375. **Eccles, J. C., & McIntyre, A. K.** (U. Otago, New Zealand.) **The effects of disuse and of activity on mammalian spinal reflexes.** *J. Physiol.*, 1953, **121**, 492-516.—This study attempted to determine whether the excitatory processes in a monosynaptic reflex arc can be altered by prolonged inactivity or repetitive activity of the afferent limb of the arc. It is concluded that, in the simplest mammalian reflex, usage may lead to increased synaptic functional efficiency, and disuse to defective function. The significance of these results for theories of learning based on the reverberating neuronal circuit concept is discussed. Gerard's concept of learning and memory is supported.—(B. A. Maher)

8376. **Fedorov, V. K. K diskussii po voprosu o tipakh vysshei nervnoi deiatel'nosti cheloveka.** (On the discussion about the problem of types of higher nervous activity in man.) *Fiziol. Zh. SSSR*, 1953, **39**(5), 634-639.—Ivanov-Smolenskii's interpretations of the Pavlovian types of nervous activity are challenged. Ivanov-Smolenskii entertains "incorrect theoretical positions, which he [erroneously] attempts to ascribe to I. P. Pavlov." Furthermore, there are lacking concrete descriptions of experimental procedures necessary for carrying out research along the lines recommended by him.—(I. D. London)

8377. **Gellhorn, E., Koella, W. P. & Ballin, H. M.** (U. Minnesota, Minneapolis.) **Interaction on cerebral cortex of acoustic or optic with nociceptive impulses: the problem of consciousness.** *J. Neurophysiol.*, 1954, **17**, 14-21.—After surgical exposure of the cerebral cortex of anesthetized cats, action potentials from various cortical areas were recorded. Clicks or sounds of different intensity and frequency, a photospot lamp and immersion of the hindleg in 55-65° C. water served as acoustic, optic and nociceptive stimuli. The nociceptive stimuli increased sensitivity of the auditory and visual projection areas to acoustic and optic stimuli. This effect may be due to interaction at the cortical level of impulses from the hypothalamic-cortical system activated by nociception and those originating in specific projection systems. The interaction between hypothalamic-cortical and specific projection systems is assumed to be the physiological basis of sensation and perception.—(H. P. Van Cott)

8378. **Green, J. D., & Shimamoto, T. Hippocampal seizures and their propagation.** *A. M. A. Arch. Neurol. Psychiat.*, 1953, **70**, 687-702.—Weak electrical or mechanical stimulation in 42 cats of the fimbria hippocampi was found to induce electrical discharges and motor fits somewhat similar to those observed in psychomotor epilepsy. The thalamus and hypothalamus were not found essential for the propagation of the neural discharges to the temporal lobe and other cerebral areas.—(L. A. Pennington)

8379. **Harwood, T. H., & Cress, R. H.** (Vanderbilt U., Nashville, Tenn.) **Activity in medulla elicited by electrical stimulation of posterior funiculus of spinal cord in cat.** *J. Neurophysiol.*, 1954, **17**, 157-166.—Nucleus gracilis or cuneatus responses evoked by stimulation of the posterior funiculus produces a strong, long, slow potential arising in the nucleus related to local synaptic activity. Pathways between the posterior funiculus of the spinal cord and the ipsilateral medial leminiscus and from the posterior funiculi to the medial leminiscus are reported. Possible paths through the nucleus gracilis and cuneatus are discussed, although no evidence for a dorsal column relay was indicated. 18 references.—(H. P. Van Cott)

8380. **Holmberg, G.** (Royal Caroline Institute, Stockholm, Sweden.) **Influence of sex and age on convulsions induced by electric shock treatment.** *A. M. A. Arch. Neurol. Psychiat.*, 1954, **71**, 473-476.—By special electromyographic methods the duration, intensity, and frequency of tonic-clonic reactions were recorded for 99 patients ranging in age from 19 to 64 years. The data indicated that the intensity of convulsions was less at the more advanced ages, being lower for women than for men. The incidence of clonic jerks was higher for women. Duration of the convulsions was quite constant and independent of age and sex.—(L. A. Pennington)

8381. **Johnson, Herbert C., & Browne, Kenneth M.** (Johns Hopkins U., Baltimore, Md.) **Cerebral cortical ablations in dogs with chronic renal hypertension.** *J. Neurophysiol.*, 1954, **17**, 183-188.—"Experimental results concerning the ablation of 'autonomic zones' of

the cerebral cortex of dogs with renal hypertension have been consistent with the usual failure of such operations significantly to alter the blood pressure of patients with essential hypertension. Cortical ablations will probably not find a place in the treatment of essential hypertension because multiple cortical areas are concerned with vasomotor functions and each of these areas has both pressor and depressor components which are so admixed spatially as to make the specific removal of solely vasopressor points a surgical impossibility.—(H. P. Van Cott)

8382. **Khozak, L. E. Vliîanie éksperimental'noĭ sensibilizafsii na rabotu vysshikh otdelov fsentral'noĭ nervnoĭ sistemy, v osobennosti kory bol'shikh polushariĭ golovnogo mozga zhivotnykh (morskikh svinok).** (The influence of experimental sensitization on the functions of the higher divisions of the central nervous system, in particular of the cerebral cortex in animals (guinea pigs). *Zb. vyssh. nervn. Deîatel'.*, 1953, **3**(1), 144-155.—Subcutaneous injection of foreign proteins brings about a disturbance in higher nervous activity with the result that previously developed "positive and inhibitory conditioned reflexes" undergo significant changes. This is to be understood as a manifestation of protective inhibition arising from the introduction of harmful proteins into the organism.—(I. D. London)

8383. **Klüver, Heinrich, & Barrera, Elizabeth.** (U. Chicago, Ill.) **On the use of azaporphin derivatives (phthalocyanines) in staining nervous tissue.** *J. Psychol.*, 1954, **37**, 199-223.—The authors describe a new method for staining brain sections, using porphyrin and related compounds. The specific purpose was to see if certain types of cells would take up more of these chemicals than other types; actually the white matter showed special affinity. 9 slides, mostly full page, show the results, using brains of rats, man, gorilla, leopard frog, Java monkey, and a trout retina. No chromation is necessary. 44 references.—(R. W. Husband)

8384. **Kotliarevskiĭ, L. I. Narusheniîa vysshe nervnoĭ deîatel'nosti zhivotnykh, vyzvannye raznymi intoksikafsiîami, i éksperimental'naîa terapiîa étikh narusheniĭ.** (Disturbance of higher nervous activity in animals, caused by various intoxications; and experimental therapy of these disturbances.) *Zb. vyssh. nervn. Deîatel'.*, 1952, **2**(4), 582-591.—Investigations of toxically engendered disturbances of higher nervous activity are discussed along with the results of therapy based on medically induced sleep. The effect of intoxicants such as streptococcal and staphylococcal toxins varies with the type of nervous system possessed by the animal. The progressive impairment of conditioned reflexes (diminution of strength, increase of latent period, etc.) is seen as resulting from the spread of protective inhibition. Sleep therapy applied when protective inhibition is clearly expressed brings about a significant quickening of recovery to normality.—(I. D. London)

8385. **Lassek, A. M.** (Boston U., Mass.) **Motor deficits produced by posterior rhizotomy versus section of the dorsal funiculus.** *Neurology*, 1954, **4**, 120-123.—Previous investigation having shown that section of dorsal spinal roots in the monkey produce a severe and lasting paralysis, the effect of sectioning the posterior columns at the cervical level was performed. In contrast to the results of dorsal root section, animals with posterior column section showed no true paralysis, greater muscle tone is maintained, and restitution of function appears to be complete within two postoperative months. On the basis of these results the classical ascription of muscle afferent functions to the posterior columns must be modified.—(L. I. O'Kelly)

8386. **Morin, F., & Gardner, E. D.** (Wayne U., Detroit, Mich.) **Spinal pathways for cerebellar projections in the monkey (*Macaca mulatta*).** *Amer. J. Physiol.*, 1953, **174**, 155-161.—Cutaneous and muscular nerves of the hindlegs of anesthetized monkeys were electrically stimulated and the surface of the anterior lobe of the cerebellum explored for evoked potentials. It was observed that both cutaneous and muscular nerves activated the same rather restricted region of the anterior lobe. This is in agreement with earlier reports on the cat. The authors conclude "that no separate, specific central areas exist for superficial and deep sensory projections." By means of acute incisions of the cord it was further shown that both types of impulses can reach the same cerebellar area through either ventral quadrant.—(J. P. Zubek)

8387. **Peacock, Samuel M., Jr.** (Tulane U., New Orleans, La.) **Studies on subcortical motor activity. I. Motor activity and inhibition from identical anatomical points.** *J. Neurophysiol.*, 1954, **17**, 144-156.—Movement and inhibition of background activity as a function of various modes of stimulation of the forebrain and diencephalon in normal and partially decorticate cats was studied. Phasic and tonic responses together with inhibition can be evoked from tissue extending from the motor cortex to the middiencephalon. The data suggest that the activity evoked may be due to threshold current densities in the corticofugal projection system. 18 references.—(H. P. Van Cott)

8388. **Piéron, H. De l'apport actuel de la neurophysiologie à la psychologie.** (The actual part played by neurophysiology in psychology.) *Année psychol.*, 1953, **53**, 279-319.—Recent data on neurophysiological experimentation on animals and men contribute to important psychological problems and show that collaboration between psychologists and neurophysiologists is necessary. For several years the two have been working on common ground. In this way one can look for an explanation of the mechanisms of underlying behavior. The chief common problem for all biological sciences, however, has not yet been explained. 43 references.—(G. E. Bird)

8389. **Popov, N. A. Observations électroencéphalographiques sur les réactions corticales sur l'homme.** (Electroencephalographic observations on the cortical reactions of man.) *Année psychol.*, 1953, **53**, 415-429.—Acoustical stimulation can evoke two kinds of electrical cortical response—constant and inconstant or "extinction" of the alpha reaction of arrest. By

analogy with the extinction of the conditioned reflex or the reflex of orientation or the extinction of inhibition or the external inhibition of Pavlov, the extinction of the alpha reaction of arrest can be considered the result of plastic changes in the zones where the reaction is produced. 24 references.—(G. E. Bird)

8390. **Skipkin, G. V. O mekhanizme generalizatsii uslovnykh refleksov.** (On the mechanism of the generalization of conditioned reflexes.) *Zb. vyssb. nervn. Deĭatel'.*, 1952, **2**(4), 501–508.—"The law of the cortical function of circuit closure (on the basis of which a center of excitation of dominant character arises in the higher divisions of the central nervous system) lies not only at the basis of the formation of simple reflexes, but also of complex... reflexes. This law lies also at the basis of the phenomena of generalization of conditioned reflexes."—(I. D. London)

8391. **Smith, Sheila Maynard.** (U. Coll., London, Eng.) **Discrimination between electro-encephalograph recordings of normal females and normal males.** *Ann. Eugen., Lond.*, 1954, **18**, 344–350.—"A linear discriminant function is applied to fronto occipital electroencephalograph recordings of left and right hemispheres of 50 normal females and 50 normal males... A significant discrimination between the female and male populations" is found, as is..."a significant discrimination between readings from the left and right hemispheres, though this is not so marked as that between females and males."—(S. M. Schoonover)

8392. **Stern, John Alexander. The comparative effect of frontal area lesions and a series of electroconvulsive seizures on some measures of activity and weight change in the male albino rat.** *Dissertation Abstr.*, 1953, **13**, 1281–1282.—Abstract of Ph.D. thesis, 1953, U. Illinois.

8393. **Wakabayashi, Masaru; Kawamura, Fumio, & Yamada, Seeichi.** (Hokkaido U. Japan.) **Researches on functional localization of cerebral cortex by means of electric current.** *Folia psychiat. neur. jap.*, 1952, **6**, 177–191.—Electric current was transmitted to the scalp of rabbits and one human subject, with systematic variation of frequency, wave form and electrode placements. In rabbits 80–100 cycle current is most effective, the symptoms varying with electrode placement. Perfect square waves cause intense peripheral nerve excitation which is not true of modulated waves. In the human subject Luduc's type of electric narcosis could not be obtained. Symptoms varied with electrode placement and stimulation frequencies.—(M. L. Simmel)

(See also abstracts 8531, 8574, 8613, 8882)

RECEPTIVE AND PERCEPTUAL PROCESSES

8394. **Clegg, W. C., & Dunfield, N. M.** (Defence Research Medical Laboratories, Toronto, Ont.) **Nonvisual perception of the postural vertical: I. Sagittal plane.** *Canad. J. Psychol.*, 1954, **8**, 1–8.—Three experiments were performed with a tilting chair apparatus to evaluate the effects in the sagittal plane of 4 variables: degree of initial tilt, direction of initial tilt, the time held at initial tilt, and the angular velocity of return. Results show that nonvisual perception of the postural upright, when moving toward the vertical from positions of forward or backward tilt in the sagittal plane, is influenced by the magnitude of initial tilt, speed of return, and direction of initial tilt. Significant differences in ability to estimate the vertical are found in subjects. Length of time in tilted position prior to righting has no significant effect on error.—(E. D. Lawson)

8395. **Eisenson, Joan, Fisichelli, V. R., & Welch, Livingston. Imagined differences in the perception of identical olfactory stimuli.** *J. genet. Psychol.*, 1954, **84**, 77–83.—"The purpose of the present study was to determine the reliability of olfactory sensitivity in a modified test-retest situation using an identical stimulus.... Olfactory sensitivity is not as unreliable as guess work.... Olfactory reliability is greater when blotting papers are used rather than an olfactometer.... Where there are no differences strong imagined differences may appear."—(Z. Luria)

8396. **Elithorn, Alick; Piercy, Malcolm F., & Crosskey, Margaret A.** (National Hosp., Queen Square, London, Eng.) **Tactile localization.** *Quart. J. exp. Psychol.*, 1953, **5**, 171–182.—The time required and errors made in localizing tactile stimuli to different sites on the hands in six subjects were studied. Normal subjects have appreciable difficulty in determining which finger has been touched. Difficulty depends upon the finger stimulated. Results indicate "...that normal tactile localization involves the analysis of primary sensory data in terms of a few simple parameters of orientation."—(M. J. Wayner, Jr.)

8397. **Fraisse, P. La perception comme processus d'adaptation: l'évolution des recherches récentes.** (Perception as a process of adaptation: the evolution of recent research.) *Année psychol.*, 1955, **53**, 443–461.—Perception is an integrative process. Extroceptive stimuli come in contact with proprioceptive and interoceptive stimuli, which act conjointly on a nervous system in which experience has left traces—a system which is in a state of sensitivity. The perceptual process inheres in a body of concepts and principles where they take their place, not by the side of, but in relation to the process of learning, of motivation and social influences. 48 references.—(G. E. Bird)

8398. **French, Robert Stanton. Identification of dot patterns from memory as a function of complexity.** *J. exp. Psychol.*, 1954, **47**, 22–26.—Ss learned an arbitrary city name for each of 12 random dot patterns representing the possible appearance of these cities on a radar scope. The Ss were divided into 12 groups such that the number of dots in the patterns was varied from 1 to 12 for the independent groups of Ss as a means of varying complexity. "The results indi-

cate that a degree of complexity represented by six to eight dots is optimal for identification under these conditions. Ease of identification is clearly shown to be associated with patterns having dots arranged either symmetrically or in linear arrays."—(J. Arbit)

8399. **French, Robert Stanton. Pattern recognition in the presence of visual noise.** *J. exp. Psychol.*, 1954, **47**, 27-31.—Recognition of a "target" pattern of dots against a background of "visual noise" was studied as a function of both the number of target dots and the number of noise dots. It was found that increasing the complexity of the visual noise produces a progressive decrement in recognition of the target. In general, recognition performance improves as the ratio of number of target dots to number of noise dots increases up to a target-to-noise ratio of about 3 : 1.—(J. Arbit)

8400. **Gurevich, K. M. O nekotorykh voprosakh psikhologii vospriĭatiĭa.** (On several questions in the psychology of perception.) *Sovetsk. Pedag.*, 1952, **16** (8), 120-123.—N. N. Volkov's book "Vospriĭatie predmeta i risunka," (Object perception and drawing), was the subject of discussion in three open meetings, called for the purpose by the Institute of Psychology in Moscow. The author of the book is censured for not taking into account Pavlovian theory and Stalin's theory of linguistics which asserts the "unity of thought and language" so that the former cannot operate or arise without the latter. The author's theory of "visual judgment" is condemned as subjectivist and as leading him "inevitably into the swamp of idealism." A Pavlovian theory of constancy utilizing the concept of generalization is suggested in lieu of Volkov's interpretations. Volkov is reported as agreeing that most of the criticisms directed his way were just and well taken.—(I. D. London)

8401. **Hafez, M.** (Fouad I. U., Cairo.) **On the behavior and sensory physiology of the house-fly larva, *Musca domestica* L. II. Prepupating stage.** *J. exp. Zool.*, 1953, **124**, 199-225.—Observations on reactions to differences in humidity, temperature and olfactory stimuli are reported.—(A. B. Shaklee)

8402. **Howes, Davis. A statistical theory of the phenomenon of subception.** *Psychol Rev.*, 1954, **61**, 98-110.—A probability hypothesis is developed to account for the finding of autonomic discrimination without awareness termed subception. With regard to the Lazarus and McCleary experiment, the author develops the following hypothesis: "at any specified moment, the GSR accompanying an observer's report is proportional to the probability that that report will be a shock syllable." By thus considering recognition as a statistical concept, the writer is able to account for the subception effect. However, subception is left as an alternative interpretation.—(E. G. Aiken)

8403. **Parker, Charles D. The effects of the reduction of "short time fatigue" on speech intelligibility for "perceptively" deafened individuals.** *Dissertation Abstr.*, 1953, **13**, 1279.—Abstract of Ph.D. thesis, 1953, State U. Iowa.

8404. **Reinhold, Margaret.** (National Hosp., Queen Square, London, Eng.) **An analysis of agnosia.** *Neurology*, 1954, **4**, 128-136.—Agnosia is analyzed as being primarily a psychological disturbance in perception, the organic defects being "as a rule too slight to account for the total disability". "It is suggested that the varieties of agnosia ... should be regarded as aspects of defective perception, all essentially caused by the inability of the individual to compare and contrast sensory relationships of specific categories."—(L. I. O'Kelly)

8405. **Soloyanis, George. An experimental investigation of the sensory-tonic field theory of perception.** In *Pennsylvania State Univ., Abstracts of dissertations ... 1953*, 1954, **16**, 585-589.—Abstract of Ph.D. thesis.

(See also abstracts 8473, 8794)

VISION

8406. **Ammons, R. B. Experiential factors in visual form perception: I. Review and formulation of problems.** *J. genet. Psychol.*, 1954, **84**, 3-25.—"In view of the importance of the concept of perception ..., it seems imperative that a continuing, systematic study be made of its varieties and their lawful relationships to each other and to other behavioral variables. The present paper will ... concentrate on ... 'the recognition response'. Definitions of this concept will be formulated, and predictions made as to future experimental findings about it." 48 references.—(Z. Luria)

8407. **Appelmans, M. Anomalies de la perception des couleurs.** (Anomalies of colour perception.) *Rev. méd. Louvain*, 1953, No. 12, 185-189.—(See *Ophthal. Lit.*, 1953, **7**(3), abs. 1215.)

8408. **Aulhorn, E., & Voges, W. Parafoveal Gesichtsfeldgrenzen in Abhängigkeit von der Lage der dargebotenen Konturen.** (The dependence of parafoveal visual field limits on the position of the presented contours.) *Pflüg. Arch. ges. Physiol.*, 1953, **257**, 329-342.—(See *Ophthal. Lit.*, 1953, **7**(3), abs. 1250.)

8409. **Baumgardt, E. Seuils visuels et quanta de lumière. Precisions.** (Visual thresholds and quanta of light.) *Année psychol.*, 1953, **53**, 431-441.—A mathematical discussion of quanta is presented. Also support is given to the law of Piper, which covers the variation of thresholds according to the surface stimulated.—(G. E. Bird)

8410. **Brewer, W. Lyle.** (Eastman Kodak Co., Rochester, N. Y.) **Fundamental response functions and binocular color matching.** *J. opt. Soc. Amer.*, 1954, **44**, 207-212.—"A method is described for determining the fundamental response functions of the Young-Helmholtz three receptor hypothesis by means of binocular color matching data.... These results are compared with those obtained previously in adaptation experiments and with those implied by results of color blindness investigations."—(F. Ratliff)

8411. **Burian, Herman M. Electric responses of the human visual system.** *A.M.A. Arch. Ophthal.*, 1954,

51, 509–524.—Electroretinograms and encephalograms were recorded under light and dark adaptation, the beta waves being used; they were taken through neutral tint filters varying in density from 0.30 to 2.78 and b-waves specified in mv, peak times of b-waves, and duration of ERG in msec. ERG's from the periphery, even with high intensity showed a scotopic form and variations in the b-wave response were recorded in various clinical conditions, such as hemeralopia and achromatopsia, as well as with dark adapted observers. ERG techniques "will be turned to practical clinical use tomorrow." 36 references.—(S. Renshaw)

8412. **Burleigh, S., & Forbes, A. Retinal response to colour shift.** *Acta physiol. scand.*, 1953, **29,** 15.—Frog and turtle electroretinograms responded to change of light stimulus from one wave-length to another, and no adjusting of the relative intensities of the two lights abolished this response.—(Courtesy of *Ophthal. Lit.*)

8413. **Crescitelli, F., & Dartnall, H. J. A. Human visual purple.** *Nature, Lond.*, 1953, **172,** 195–197.—It has generally been assumed that the visual pigments in the retina correspond to or are identical with the visual pigments of the frog and, since this animal has proved to be a convenient source of material, analogies have been made from one to the other. The authors have investigated recently excised eyes and present evidence that human visual purple is spectrophotometrically different from frog visual purple. They found maximum absorption of human pigment to be at 497 mμ and it may, therefore, be called, visual purple 497. It will be remembered that the absorption maximum of the frog lens is between 502 and 503 mμ. It is obvious, therefore, that many of the conclusions presently accepted regarding the absorption of the pigments of the human retina must be reviewed and that new data must be applied.—(Courtesy of *Ophthal. Lit.*)

8414. **Enroth, C. Spike frequency and flicker fusion frequency in retinal ganglion cells.** *Acta physiol. scand.*, 1953, **29,** 19–21.—Flicker fusion frequency was found to be proportional to initial spike frequency for cat retinal ganglion cells under varying conditions of adaptation and intensity of light stimulus. The constant proportionality (about 4.5) was the same for on- and off-discharges.—(Courtesy of *Ophthal. Lit.*)

8415. **Fang, H. S., Hwang, T. F., & Hall, A. L.** (U. S. Naval Sch. Aviat Med., Pensacola, Fla.) **Effects of carcholin on dark adaptation and visual purple regeneration.** *U. S. Naval Sch. Aviat. Med. Res. Rep.*, 1953, Proj. No. NM 001 059.30.02, 3 p.—0.6–1.0 mgm. of carcholin was administered to human subjects with a resultant lowering of dark adaptation threshold and improved dark adaptability corresponding to dosage. Side effects of eructation and increased salivation were noted. The injection of 1.0 cc of 0.001% carcholin into the breast lymph sac of toads accelerated the regeneration of visual purple. The relationship between the speed of visual purple regeneration and dark adaptability is discussed.

8416. **Fang, H. S., Hwang, T. F., & Hall, A. L.** (U. S. Naval Sch. Aviat. Med., Pensacola, Fla.) **The influence of prolonged stay in the dark on foveal dark adaptability.** *U. S. Naval Sch. Aviat. Med. Res. Rep.*, 1953, Proj. No. NM 001 059.30.01, 2 p.—2 human subjects were exposed to dark adaptation for from 2 minutes to 10 hours. After 5–7 hours, foveal dark adaptability became 2 times as high as after 1 hour. Maximal adaptability was shown after 8 to 10 hours in the dark. Possible mechanism is discussed.

8417. **Fischer, M. H., & Haberich, F. J. Messende Untersuchungen über einige wesentliche Geschehnisse beim Pulfricheffekt.** (Quantitative studies of some intrinsic characteristics of the Pulfrich effect.) *Pflüg. Arch. ges. Physiol.*, 1953, **257,** 290–307.—(See *Ophthal. Lit.*, 1953, **7**(3), abs. 1231.)

8418. **Fletcher, John L., & Ross, Sherman.** (U. Maryland, College Park.) **Tests of stereoscopic vision: a review.** *Int. Rec. Med.*, 1953, **166,** 551–562.—The literature on 12 tests for stereoscopic vision is reviewed and the instruments evaluated in terms of reliability, validity, objectivity, score comparability, cost, administration, and similar factors. 46-item bibliography.—(C. M. Louttit)

8419. **Garner, Lawrence L., Carl, E. Franklin, & Grossman, Erwin E. The effect of cigarette smoking on flicker fusion threshold.** *A. M. A. Arch. Ophthal.*, 1954, **51,** 642–655.—Krasno and Ivy's apparatus was used: a 6-v tungsten lamp in a rotating metal cylinder with a square window to give equal light-dark phases. 108 subjects were tested, smokers and non-smokers. 35 showed increased and 21 decreased frequency, usually not more than one cycle per second; 52 were unaffected. Photometric specifications of the light not specified.—(S. Renshaw)

8420. **George, F. H.** (U. Bristol, Eng.) **On the figural after-effect.** *Quart. J. exp. Psychol.*, 1953, **5,** 128–135.—A study of the statistical frequency of a figural after-effect in 40 naive subjects.—(M. J. Wayner, Jr.)

8421. **Gerathewohl, Siegfried J., & Taylor, William F. The effect of intermittent light on vision.** *USAF Sch. Aviat. Med. Proj. Rep.*, 1953, Proj. No. 21-1205-0014, Rep. No. 1, iii, 6 p.—The utilization of intermittent light of flicker frequencies of 9 and 15 c.p.s. for the improvement of reading under low-visibility conditions was studied by comparing the number of lines read on a reading chart illuminated either by a steady or a flickering light source. The results indicate that flicker light does not improve the visibility of details but decreases the number of lines read.

8422. **Grindley, G. C., & Wilkinson, R. T. The after effect of seen movement on a plain field.** *Quart. J. exp. Psychol.*, 1953, **5,** 183–184.—"Twenty laboratory subjects were asked to fixate the centre of a rotating spiral disc, under conditions where all of them, on stopping the disc, obtained the well known illusion of apparent expansion outwards. In this experiment, instead of stopping the disc, a completely uniform white surface was substituted and it was found that though the borders of the surface appeared

to remain still, the surface itself showed apparent expansion in nearly all cases."—(M. J. Wayner, Jr.)

8423. **Hagins, W. A., & Rushton, W. A. H. The measurement of rhodopsin in the decerebrate albino rabbit.** *J. Physiol., Lond.*, 1953, **120**, 61.—Measurement of changes in the optical density of rhodopsin in the dark following preliminary exposure to bright light suggests that saturation occurs at some stage of rhodopsin synthesis; that 35% of green light is absorbed in a single passage through the retina; that the rhodopsin of the rabbit's eye is not affected by light 100,000 times, but is bleached by light one million times the human threshold.—(Courtesy of *Ophthal. Lit.*)

8424. **Halsey, Rita M.** (Johns Hopkins U., Baltimore, Md.) **A comparison of three methods for color scaling.** *J. opt. Soc. Amer.*, 1954, **44**, 199–206.—"Scales were constructed for mixtures of yellow and blue primaries produced by filtered light, at constant luminance. Each of five observers completed three experiments from which color scales were derived: successive bisection, yielding an equal interval scale; color matching, yielding an integrated just-noticeable difference and equal discriminability scales for all observers. The correspondence between the bisection scales and the other scales ranged from very good to very poor for different observers."—(F. Ratliff)

8425. **Hattwick, Robert G.** (Florida State U., Tallahassee.) **Dark adaptation to intermediate levels and to complete darkness.** *J. opt. Soc. Amer.*, 1954, **44**, 223–228.—"The course of the change of the visual threshold was measured during adaptation from a high-luminance level to various lower luminance levels and to darkness. Measurements were both foveal and parafoveal. The foveal measurements show photopic function only, while the parafoveal measurements result in duplex curves at the lower luminances. All curves approach their asymptotic values smoothly and gradually. The theoretical and practical implications of the findings are discussed."—(F. Ratliff)

8426. **Hofstetter, Henry W. Some interrelationships of age, refraction, and rate of refractive change.** *Amer. J. Optom.*, 1954, **31**, 161–169.—Surveys of refractive trends based on cross-sectional analyses of clinical patients in different age groups cannot give a valid indication of the trend in the general population because of the fact that the clinical group does not represent a true sampling of the general population.—(D. Shaad)

8427. **Hunt, R. W. G. Characteristic curves of the human eye.** *J. Phot. Sci.*, 1953, **1**(5), 149–158.—An attempt has been made to derive characteristic curves for the human eye under various states of adaptation. Although the curves have been derived from luminance discrimination data, it has not been assumed that each discriminable step of luminance corresponds to the same sensation interval, nor has it been assumed that numbers of sensation intervals can be integrated; the curves are therefore free from the criticisms that are often leveled against the Weber-Fechner law. This has been accomplished by analyzing luminance discrimination data from a physiological, rather than a psychological, point of view. The curves obtained are consistent both with apparent brightness and contrast data, and with electrophysiological studies, and they permit a simple quantitative explanation to be made of the variation of luminance discrimination with field size.—(Courtesy of *Kodak Mon. Abstr. Bull.*)

8428. **Hurvich, Leo M., & Jameson, Dorothea.** (Eastman Kodak Co., Rochester, N. Y.) **Spectral sensitivity of the fovea. III. Heterochromatic brightness and chromatic adaptation.** *J. opt. Soc. Amer.*, 1954, **44**, 213–222.—"Heterochromatic brightness matches were made by a large step equality-of-brightness method at three luminance levels: 10 mL, 20 mL, and 40 mL. Results are compared for chromatically neutral white, and blue, green, yellow and red adapting-surround fields at three levels of adapting luminance: 10 mL, 20 mL, and 40 mL. The results for suprathreshold photometric equations confirm the dependence of foveal luminosity on chromatic adaptation demonstrated earlier for threshold sensitivities. The foveal (1°) luminosity function is shown to undergo regular and consistent changes with changes in chromatic adaptation, and to be further dependent on the ratio of surround/standard luminance."—(F. Ratliff)

8429. **Illig, H., Pflanz, M., & von Uexküll, T. Experimentelle Untersuchungen über die kleinste Zeiteinheit (Moment) der optischen Wahrnehmung.** (Experimental investigation of the smallest unit of time (moment) for visual perception.) *Pflüg. Arch. ges. Physiol.*, 1953, **257**, 121–136.—(See *Ophthal. Lit.*, 1953, **7**(3), abs. 1226.)

8430. **Junker, H. Bestimmung des wahren (Sehrichtungskonstanz) Horopters mittels der Oscillationsmethode.** (Oscillatory method of determining the true horopter for a constant visual direction.) *v. Graefes Arch. Ophthal.*, 1953, **153**, 471–476.—(See *Ophthal. Lit.*, 1953, **7**(3), abs. 1243.)

8431. **Kratz, J. Donald. A consideration of convergence and divergence anomalies.** *Amer. J. Optom.*, 1954, **31**, 170–180.—A simplified method of considering these anomalies is presented in which distant heterophoria is combined with the possibilities of supranormal, normal or subnormal convergence function.—(D. Shaad)

8432. **Kretzschmar, S., Jr. A propos de la fausse correspondance rétinienne.** (On false retinal correspondence.) *Ophthalmologica*, 1952, **123**, 343–348.—Haploscopic field maps are determined by polarized projection stereo rings. Experiments described in which fusion and spatial localization in false correspondence retinal areas were determined.—(S. Renshaw)

8433. **Langdon, J.** (U. Oxford, Eng.) **Further studies in the perception of a changing shape.** *Quart. J. exp. Psychol.*, 1953, **5**, 89–107.—A study of Koffka's "invariant relation" between tilt and perceived shape of an object. Subjects matched two shapes—one was stationary and the other revolved at a constant speed. Non-systematic variations in perceptual constancy were found throughout the arc of tilt. These were

"...of a phasic character...and qualitatively different from results obtained by matching stationary shapes." 19 references.—(M. J. Wayner, Jr.)

8434. **Lange, Carl W., Sr., & Lange, Carl W. Jr. Visual development.** *Optom. Wkly.*, 1954, **45**, 393-397; 631-634.—Fusion development and application of visual training to this process are discussed.—(D. Shaad)

8435. **Miles, Walter R.** (Yale U., New Haven, Conn.) **Comparison of functional and structural areas in human fovea. I. Method of entoptic plotting.** *J. Neurophysiol.*, 1954, **17**, 22-38.—The central macular areas of 20 men were plotted on a tangent screen, using alternately dichroic and neutral filters before the subjects' eyes. The most common entoptic foveal pattern consists of three concentric and round areas subtending 2.5-3.0°. Each area shows differences in saturation or color. Retesting after two weeks demonstrates the dependability of the patterns. The usefulness of the method for functional and anatomical research is pointed out.—(H. P. Van Cott)

8436. **Müller-Limmroth, H. W., & Andrée, G. Das Elektroretinogramm bei Flimmerbelichtung.** (The electroretinogram with flicker.) *Pflüg. Arch. ges. Physiol.*, 1953, **257**, 216-233.—The fusion frequency for different coloured lights of the electroretinogram of the frog and tortoise (I-retina) and rabbit, guinea-pig, and man (E-retina) was measured. In the frog flicker of both the a- and b-waves could be demonstrated. The fusion frequencies for the b-wave varied according to wave-length on an equal-energy spectrum, being highest for white light and for "green" (505-565 mμ) and lowest for red (610 mμ) and blue (485 mμ). Similar results were obtained on the rabbit, but no variation with wave-length was demonstrated in man. Flicker was also obtained on the tortoise and guinea-pig electroretinogram. The results are discussed in terms of the components of the electroretinogram.—(Courtesy of *Ophthal. Lit.*)

8437. **Neshkovitch, M. Illusion dans le perception du relief.** (Illusion in depth perception.) *Acta med. iugosl.*, 1953, **7**, 19-21.—(See *Ophthal. Lit.*, 1953, **7**(3), abs. 1240.)

8438. **Obonai, T.** (Tokyo U. Educ., Japan.) **Induction effects in estimates of extent.** *J. exp. Psychol.*, 1954, **47**, 57-60.—"A series of observations, with many figures, has shown that the sizes of lines, circles, squares, triangles, etc., are (a) overestimated when they appear near small-to-medium extents and (b) underestimated when they appear near large extents. The data are considered in relation to a concept of physiological induction."—(J. Arbit)

8439. **Ohm, Johannes. Objektive Prüfung der Sehleistungen mit Hilfe der optokinetischen Augenbewegungen.** (Objective assessment of visual efficiency by means of optokinetic eye movements.) Stuttgart: Ferdinand Enke, 1953. viii, 181 p. 45 DM.—The medical significance of eye movements and the history of their measurement is surveyed. Advantages of the author's apparatus are discussed in relation to devices of other practitioners. Its use in practical examination and diagnosis is stressed because it offers objective confirmation of symptoms in a variety of ophthalmological diseases.—(R. Tyson)

8440. **Pascal, Joseph I. The angle of deviation in strabismus.** *Ophthalmologica*, 1954, **127**, 184-189.—The "angle" of deviation, or the "angle" of squint is usually defined as the angle between the visual axis of the deviating eye. The correct definition which applies to all kinds of squint is that the angle of deviation is the angle between the primary visual axis (macular visual axis) and the secondary visual axis (non-macular visual axis) in the deviating eye. It is an angle related to one eye, though the condition involves both eyes. This definition also best describes the essence of the condition, namely, a change in the direction of the visual axis of the deviating eye from the direction it should occupy for proper fixation.—(S. Renshaw)

8441. **Posner, A. A psychologic interpretation of the visual field.** *Eye, Ear, Nose, Thr. Mon.*, 1953, **32**, 267-268; 273.—(See *Ophthal. Lit.*, 1953, **7**(3), abs. 1249.)

8442. **Riggs, Lorrin A., Armington, John C., & Ratliff, Floyd.** (Brown U., Providence, R. I.) **Motions of the retinal image during fixation.** *J. opt. Soc. Amer.*, 1954, **44**, 315-321.—Motion of the retinal image as a result of involuntary eye tremor is calculated for various exposure intervals from 0.01 to 1 sec. in duration. The retinal image is virtually stationary for exposures up to 0.01 sec. in duration. Exposures of 0.1 sec. entail an average displacement of 25 sec. of arc. Exposures as long as 1 sec. permit an average excursion of about 3 min. of arc. Methods available for the measurement of eye movements are examined in some detail.—(F. Ratliff)

8443. **Rosemann, H. U., & Buchmann, H. H. Zur Deutung des Pulfrich-Effektes.** (The explanation of the Pulfrich effect.) *Z. Biol.*, 1953, **106**, 71-76.—(See *Ophthal. Lit.*, 1953, **7**(3), abs. 1232.)

8444. **Rushton, W. A. H. The measurement of rhodopsin in the living eye.** *Acta physiol. scand.*, 1953, **29**, 16-18.—The reflection fraction of the initially light-adapted albino rabbit fundus for blue-green light was found to decrease progressively while the eye was exposed to a light 10^3 times human scotopic threshold, and to increase when it was exposed to brighter lights, the reflection fractions for red and violet meanwhile remaining constant. Interpreting the changes as due to accumulation and bleaching of rhodopsin, it is concluded that rhodopsin synthesis in the dark proceeds at a constant rate, and that at full dark adaptation 35% of light of λ 0.50 μ is absorbed in a single passage through the retina.—(Courtesy of *Ophthal. Lit.*)

8445. **Scheer, G.** (U. Darmstadt, Germany.) **Lesen von Druckschrift als Mass für die Helligkeit.** (Print-reading as a measure for brightness.) *Wett. u. Leben*, 1952, **4**(8), 118-121.—The light intensity at dawn necessary for reading print is at a minimum in June (0.18 lux for barely deciphering a newspaper, 0.25 for reading steadily), and at a maximum in Jan.-Feb. (0.3

and 0.5, respectively). The cause is apparently not a lack of vitamin A during winter, because this is stored longest in the retina, but rather a concealed daily rhythm, because dawn is earliest in June and the human eye is most sensitive in the early morning hours, probably due to variations in the tone of the autonomic nervous system.—(Courtesy of *Biol Abstr.*)

8446. **Siebeck, R. Praktische Bedeutung der Raumsinnstörungen durch Anisokorie.** (The practical significance of the disturbance of depth perception through anisocoria.) *Klin. Mbl. Augenheilk.*, 1953, **123**, 86–89.—(See *Ophthal. Lit.*, 1953, **7**(3), abs. 1234.)

8447. **Trincker, D. Hel-Dunkel-Anpassung und räumliches Sehen. I. Zur Phänomenologie des Pulfrich-Effektes unter Berücksichtigung des "Asymmetrie-Phänomens." II. Die Abhängigkeit der Sehferne von der Hel-Dunkel-Anpassung.** (Adaptation and space perception. I. The Pulfrich effect as an "asymmetric phenomenon." II. The dependence of visual depth perception on adaptation.) *Pflüg. Arch. ges. Physiol.*, 1953, **257**, 48–69.—(See *Ophthal. Lit.*, 1953, **7**(3), abs. 1233.)

8448. **Young, Francis A., Beattie, Robert J., Newby, Fred J., & Swindal, Mark T.** (State Coll. Washington, Pullman.) **A visual survey of Pullman school children.** *Amer. J. Optom.*, 1954, **31**, 192–204.—A continuation of a study of refractive changes in a school population; higher hyperopes decrease in number with increasing age about as sharply as the number of myopes increases.—(D. Shaad)

(See also abstracts 8297, 8301, 8303, 8566, 8585, 8656, 8660, 8879, 8967, 9109)

AUDITION

8449. **Atkinson, Chester Joseph. A study of vocal responses during controlled aural stimulation.** In *Ohio State Univ., Abstracts of dissertations... 1950–51*, 1954, No. 65, 19–22.—Abstract of Ph.D. thesis.

8450. **Black, John W. An application of side-tone in subjective tests of microphones and headsets.** *U. S. Naval Aviat. Med Res. Rep.*, 1954, Proj. No. NM 001 064.01.20, 5 p.—24 experimental subjects attempted to repeat a phrase and to establish by control of the vocal level a level of side-tone that matched the level of the stimulus phrase that was heard. The experimental procedure followed the Method of Average Error. Alternative headset-microphone combinations represented broad-band and narrow-band transmission. The subjects tended to speak at a higher level than they should have to match the stimulus. The error was greater in noise than in quiet and greater in broad-band equipment than with narrow-band.

8451. **Black, John W.** (U. S. Naval Sch. Aviat. Med., Pensacola, Fla.) **Multiple-choice intelligibility tests.** *U. S. Naval Sch. Aviat. Med. Res. Rep.*, 1953, Proj. No. NM 001 064.01.17, Rep. No. 17, 20 p.—10,000 words were screened to exclude homographs, etc., and the remaining words were read aloud by speakers to panels of listeners. The wrong responses were treated as a pool of "error responses" in the construction of multiple-choice intelligibility tests. There are 24 tests, equated in mean item value and in variance of item values. The tests may be employed in testing and re-testing groups of 12 people in noise or in "quiet" (68 db).

8452. **Black, John W.** (U. S. Naval Sch. Aviat. Med., Pensacola, Fla.), **Atkinson, Chester J., Bragg, Vernon, Morrill, Scott N., & Tolhurst, Gilbert C. A measurement of the temporary effect of noise upon hearing.** *U. S. Naval Sch. Aviat. Med. Res. Rep.*, 1953, Proj. No. NM 001 064.01.18, Rep. No. 18, 18 p.—A pulse-type test of hearing was devised for measuring the temporary hearing loss occasioned by the exposure of personnel to high-level noise. Pulses of white noise and 500-cycle tone were recorded on magnetic tape in 2-db decremental steps, and reproduced in a 64-sec. testing interval. (1) The tests were sensitive to the temporary hearing loss incurred through the exposure of ears to noise. (2) The two types of pulses apparently appraised different aspects of the hearing function. (3) The test had to be administered through equivalent forms five times for indoctrination. (4) The test correlated $r = .68 - .78$, with word reception.

8453. **Dolch, John Parker. An investigation of some phase and intensity relationships in the interference of bone- and air-conducted sound.** *Dissertation Abstr.*, 1953, **13**, 1271.—Abstract of Ph.D. thesis, 1953, State U. Iowa.

8454. **Epstein, Aubrey. A study of reversible auditory fatigue resulting from exposure to a pure tone.** *Dissertation Abstr.*, 1953, **13**, 1272.—Abstract of Ph.D. thesis, 1953, State U. Iowa.

8455. **Harris, J. Donald. The roles of sensation level and of sound pressure in producing reversible auditory fatigue.** *USN Submar. Med. Res. Lab. Rep.*, 1954, **13**(5), Rep. No. 244, 11 p.—Reprinted from *Laryngoscope*, 1954, **64**(2), 89–97.

8456. **Lightfoot, Charles, Carhart, Raymond, & Jerger, James F. Efficiency of impaired ears in noise. C. Perception of speech at suprathreshold levels.** *USAF Sch. Aviat. Med. Proj. Rep.*, 1953, Proj. No. 21-1203-0001, Rep. No. 6, iv, 10 p.—Standard speech discrimination tests were administered to normal and hard-of-hearing subjects at 3 suprathreshold levels, in quiet and in 2 levels of thermal noise. The general conclusion was that noise was not observed to exert a systematically detrimental effect on discrimination of monosyllabic words by hard-of-hearing subjects. There was, however, substantial variation among individuals.

8457. **Richardson, E. G. (Ed.) Technical aspects of sound. Vol. I. Sonic range and airborne sound.** Houston, Texas: Elsevier Publ. Co., 1953. xviii, 544 p. $11.00.—The 19 chapters of this encyclopedic handbook review all aspects of sound in the sonic range. In an introductory chapter, the editor reviews the physical theory of sound. Division 4 with three

chapters, prepared by the staff of the Bell Telephone Laboratories, is devoted to speech, hearing, and speech intelligibility. Other chapters deal with acoustic measurements, absorbing materials, buildings acoustics, noise, microphones, sound recording and reproduction, sound analysis, and musical instrument sounds. Extensive chapter bibliographies.—(C. M. Louttit)

8458. **Schevill, William E.** (Woods Hole Oceanographic Inst., Mass.), **& Lawrence, Barbara. Auditory response of a bottlenosed porpoise, *Tursiops truncatus* to frequencies above 100 KC.** *J. exp. Zool.*, 1953, **124**, 147–165.—After food reward conditioning training, a bottlenosed porpoise responded practically 100% of the time to frequencies between .15 kc and 120 kc. There was a sharp cut-off above 120 kc, with a response frequency of only 13% at 152 kc.—(A. B. Shaklee)

8459. **Tasaki, Ichiji.** (Central Institute for the Deaf, St. Louis, Mo.) **Nerve impulses in individual auditory nerve fibers of guinea pig.** *J. Neurophysiol.*, 1954, **17**, 97–122.—Single-fiber responses to acoustic stimuli were recorded from the cochlear nerve in the modiolus of the guinea pig. Spontaneous discharge of individual auditory fibers was never inhibited by sound stimuli. In response to a strong 8000 cps. pip, single-fiber spikes started at or after the peak response of the whole nerve. Fibers arising in the basal cochlea respond to tones of any audible frequency, while those in the upper cochlea respond only to low frequencies. 290–500 cps. tones initiate impulses when hair cells are traversed by electrical current from scala vestibuli to scala tympani, thus strengthening the view that the microphonic is a direct source of electrical stimuli to nerve endings. 24 references.—(H. P. Van Cott)

8460. **Tu, Lien-Yueh. Measured amplitude distribution of noise voltages.** In *Pennsylvania State College, Abstracts of dissertations... 1952*, 1953, **15**, 566–567.—Abstract of Ph.D. thesis.

(See also abstract 8568)

RESPONSE PROCESSES

8461. **Andreas, B. G., Green, R. F., & Spragg, S. D. S.** (U. Rochester, N. Y.) **Transfer effects between performance on a following tracking task (modified SAM two-hand coordination test) and a compensatory tracking task (modified SAM two-hand pursuit test).** *J. Psychol.*, 1954, **37**, 173–183.—There are two principal types of tracking: "following" a moving target and "compensatory," the latter to adjust for drift. Four groups of S's were given 8 trials practice with one type of task and then did 8 trials on the other type. S's were 92 basic trainees in a military installation, and they were assigned to the four groups strictly in order of appearance. It was found that practice in one kind of tracking does not necessarily facilitate performance in the other, especially if transfer is from following to compensatory.—(R. W. Husband)

8462. **Andreas, B. G., Green, R. F., & Spragg, S. D. S.** (U. Rochester, N. Y.) **Transfer effects in following tracking (modified SAM two-hand coordination test) as a function of reversal of the display-control relationships on alternate blocks of trials.** *J. Psychol.*, 1954, **37**, 185–197—240 S's taking basic training at a military installation were assigned to eight experimental groups, and performed on the modified SAM two-hand coordination test. By rotating the two control cranks S attempted to keep the target-follower button on top of a target which moved irregularly in the horizontal plane during a one minute trial. Various groupings of natural and unnatural (opposite crank rotation) trials were given. There was evidence of interference effect in groups which worked under the two conditions, but it was independent of pattern of alternation.—(R. W. Husband)

8463. **Bartlett, N. R., & Macleod, S.** (Hobart Coll., Geneva, N. Y.) **Effect of flash and field luminance upon human reaction time.** *J. opt. Soc. Amer.*, 1954, **44**, 306–311.—Reaction time was measured from the onset of a signal flash to the manual release of a microswitch. Relationships were established between reaction time and signal and field luminance for both foveal and peripheral stimulation over a wide stimulus range.—(F. Ratliff)

8464. **Bilodeau, Edward A., & Bilodeau, Ina McD. The contribution of component activities to the total psychomotor task.** *J. exp. Psychol.*, 1954, **47**, 37–46.—"Data for two multidimensional tracking tasks analyzed by components and total task were presented in an introductory analysis of the relative contribution of components to the total task. Whether the total task represented two or three components, the analysis (by trials) suggested that, as a first approximation, time of scoring in one component was essentially independent of times of scoring in the remaining components... The analysis brought out the implication that total-task performance can be improved by a redistribution of the on-target component proportions ..(so that)..overall proficiency on some tracking tasks might be improved without raising S's general skill level."—(J. Arbit)

8465. **Brown, Howard Steven.** (Southern Methodist U., Dallas, Tex.) **A comparative study of motor fitness tests.** *Res. Quart. Amer. Ass. Hlth phys. Educ.*, 1954, **25**, 8–19.—Brown reports on an investigation to determine the validity of the SMU Motor Fitness Test Batteries. A group of 208 freshmen from 10 freshmen physical education classes were tested and their scores validated against four criteria which consisted of (a) correlation coefficients between the test batteries and a criterion score derived from 26 test elements; (b) critical ratios obtained from groups of varying degrees of motor fitness; (c) administrative feasibility; and (d) suitability to the students. The results indicated that the best measure of motor fitness was the General Motor Ability Score. 37 references.—(M. A. Seidenfeld)

8466. **Burger, J. Wendell.** (Trinity Coll., Hartford, Conn.) **The effect of photic and psychic stimuli on**

the reproductive cycle of the male starling, *Sturnus vulgaris*. *J. exp. Zool.*, 1953, **124**, 227-239.—Sexual activation was measured by histological examination of the testes and computation of approximate testicular volumes. Such activation was demonstrated to be positively related to specific types of increases in daily light exposure and to presence of female birds in the same cage.—(A. B. Shaklee)

8467. **Capol, Marco, & Walther, Leon. Contribution à l'étude de l'habileté manuelle.** (Contribution to the study of manual ability.) *Année psychol.*, 1953, **53**, 35-58.—A battery of five tests to measure manual ability was administered. Factorial analyses showed the battery to be homogeneous. All the tests had diagnostic validity, prognostic value, and agreement with results observed by the same foremen, in qualifications for successful work of 170 individuals, after 8 to 35 years of observation.—(G. E. Bird)

8468. **Carlson, L. D.** (U. Washington, Seattle.) **The adequate stimulus for shivering.** *Proc. Soc. exp. Biol. N. Y.*, 1954, **85**, 303-305.—A series of experiments was conducted to determine if true chemical regulation of shivering could be demonstrated. Heat loss, oxygen consumption and blood flow were measured in human subjects under conditions of controlled low temperatures. It was concluded that the adequate stimulus for shivering is a combination of the rate at which cold-sensitive end-organs are discharged, the number stimulated and the thermal state of the thermoregulating center.—(B. A. Maher)

8469. **Day, R. H.** (U. Bristol, Eng.) **The effect on a difficult co-ordination task of the frequency of signals.** *Quart. J. exp. Psychol.*, 1953, **5**, 159-165.—Subjects directed by means of a "joy-stick" and "rudder-bar" a fugitive spot of light into one of four positions in accordance with changes in the source of visual signals and simultaneously extinguished two lights using a left-hand response. An increase in the frequency of signals significantly increased the number of errors made in controlling the spot, but did not impair left hand performance to a different set of signals. Changes in the order of signal frequency did not affect performance.—(M. J. Wayner, Jr.)

8470. **Fletcher, William M.** (U. Minnesota, Minneapolis.) **Vocal fold activity and sub-glottic air pressure in relation to vocal intensity: a brief historical review.** *Speech Monogr.*, 1954, **21**, 73-78.—Available literature on laryngeal activity focuses on pitch, with slight concern for intensity. This review notes observations on intensity and sub-glottic air pressure from Anaxagorus to the Bell Telephone Laboratories. "Recent developments in instrumentation permit a more thorough examination of some aspects of laryngeal activity; this may well result in formulating new hypotheses upon which further research may be based."—(D. Lebo)

8471. **Fox, Margaret G., & Young, Olive G.** (State U. Iowa, Iowa City.) **A test of softball batting ability.** *Res. Quart. Amer. Ass. Hlth phys. Educ.*, 1954, **25**, 26-27.—A test for batting ability with the soft ball has been devised which the authors have found to be valid and reliable. This is described and methods for administration are included.—(M. A. Seidenfeld)

8472. **Fuller, John L., & Scott, J. P. Heredity and learning ability in infrahuman mammals.** *Eugen. Quart.*, 1954, **1**, 28-43.—Abundant evidence is found for the specificity of genetic effects on behavior, either with fixed methods of adaption to environmental situations or the ability to learn to so adapt. Within species, and between species, there is evidence of genetic differences in patterns of behavior. Ability to learn is modified by differences in behavior patterns, especially those involving emotional reactions. There is also evidence of cultural inheritance of behavior patterns in mammals. A program of research for the future is outlined. 46 references.—(G. C. Schwesinger)

8473. **Griffin, Donald R.** (Cornell U., Ithaca, N. Y.) **Bat sounds under natural conditions, with evidence for echolocation of insect prey.** *J. exp. Zool.*, 1953, **123**, 435-465.—High frequency sounds emitted by bats in flight in natural surroundings were found to be of longer duration and with less frequency modulation than sounds emitted in the laboratory. When the relatively straight cruising flight was interrupted by a diving turn made in pursuit of prey or small artificial targets pulse repetition rate increased sharply while pulse duration decreased. "These changes are acoustically appropriate ones for an echo ranging system shifting from reliance upon ground echoes during the cruising flight to a type of operation designed to obtain detailed information out of the echoes from small targets at close range."—(A. B. Shaklee)

8474. **Gugenheim, C. Étude éxperimentale des aspects objectifs et subjectifs de la fatigue pendant un travail monotone. I. Recherche effectuée sur un groupe d'étudiants.** (An experimental study of objective and subjective aspects of fatigue during monotonous work. I. A study on a group of students.) *Travail hum.*, 1953, **16**, 219-240.—20 students worked on a punching machine test, which is monotonous but requires small muscular effort. (1) Amount and quality of work shows little correlation with feelings of fatigue. (2) Irregularity of performance, however, may accompany feeling of fatigue. (3) Subjective and objective fatigue are little related. 31 references.—(R. W. Husband)

8475. **Hauty, George T., & Payne, Robert B. Methods for the mitigation of work decrement.** *USAF Sch. Aviat. Med. Proj. Rep.*, 1953, Proj. No. 21-1601-0004, Rep. No. 4, iii, 14 p.—In an investigation designed to study general methods for the mitigation of work decrement incurred during 7 hours of work, there was determined the relative and joint effectiveness of pharmacological treatments, psychological "feedbacks," intermediate goal, and a change in type of task. Superiority in work proficiency was effected and sustained for the entire 7-hour work period by analeptics, single supplementary signals (visual and auditory) which indicated adequacy of performance, and the existence of an intermediate goal.

8476. **Hoffmeyer, Henrik. Social and psychological factors limiting the use of anticonceptions.** *Int. J. Sexol.*, 1953, **7**, 75-76.—Through a questionnaire, 64% of 500 women reported that they had not used any anticonception (contraceptive). A division of those women into 11 groups, depending on their given reason for not using contraceptives, lead to the conclusion that the most effective use of contraceptive information to women occurs when such information can be personalized and individualized to meet the psychological and cultural factors operating at that time in each particular woman.—(H. D. Arbitman)

8477. **Kimeldorf, D. J., Jones, D. C., & Castanera, T. J. Effect of X-irradiation upon the performance of daily exhaustive exercise by the rat.** *Amer. J. Physiol.*, 1953, **174**, 331-335.—Rats were required to perform daily in a standardized exhaustive exercise test (swimming) five times per week for periods up to 9 weeks after X-irradiation. Exposure to X-ray doses of 300-1,000 r depressed the ability to perform in the test. The magnitude of depression in performance was dependent upon the size of the X-ray dose. "Irradiated animals surviving the period of testing recovered sufficiently by the ninth week after irradiation to attain their preirradiation performance although they were not identical in performance with concurrently tested non-irradiated animals."—(J. P. Zubek)

8478. **Knöpfelmacher, F.** (U. College, London, Eng.) **Fixations, position stereotypes and their relation to the degree and pattern of stress.** *Quart. J. exp. Psychol.*, 1953, **5**, 108-127.—A test of Maier's hypothesis that strength of behavior stereotypes elicited in an insoluble problem situation is a function of stress. Albino rats trained under low punishment in a water discrimination apparatus developed the more persistent stereotypes. Animals trained under 100% punishment developed less persistent stereotypes and required more trials from the point of breaking a stereotype to learning a new habit. Some animals of the low punishment group resembled Maier's fixated rats.—(M. J. Wayner, Jr.)

8479. **Knäpfelmacher, F.** (U. Coll., London, Eng.) **Fixations, position stereotypes and their relation to the degree and pattern of stress. Part II.** *Quart. J. exp. Psychol.*, 1953, **5**, 150-158.—A detailed quantitative description of the behavior of four "fixated" albino rats reported in a previous study of position stereotypes in a water discrimination apparatus under low punishment. Results can be interpreted better in terms of a goal-motivational theory than a stress-frustration-fixation theory. 23 references.—(M. J. Wayner, Jr.)

8480. **Kosman, Mary Ellen. The effect of anoxia and hypercapnea upon audiogenic seizures.** *Dissertation Abstr.*, 1953, **13**, 1277.—Abstract of Ph.D. thesis, 1953, Northwestern U.

8481. **Mitchem, John C., & Tuttle, W. W.** (State U. Iowa, Iowa City.) **Influence of exercises, emotional stress, and age on static neuromuscular tremor magnitude.** *Res. Quart. Amer. Ass. Hlth phys. Educ.*, 1954, **25**, 65-74.—Recording the static tremor from the index finger of the outstretched arm, supported by voluntary resistance against gravity, Mitchem and Tuttle studied 90 Ss who were exposed to graded bouts of exercise. In addition, a group of 15 Ss were similarly measured before and after the stress situation induced by a written exam. It was found that stress increased neuromuscular tremor to a significant degree. Likewise, age differences between elderly and young males apparently serves to increase neuromuscular tremor magnitude significantly. 17 references.—(M. A. Seidenfeld)

8482. **Morin, Robert E., & Grant, David A. Spatial stimulus-response correspondence; performance on a key-pressing task as a function of the degree of spatial stimulus-response correspondence.** *USAF WADC Tech. Rep.*, 1953, No. 53-292, v, 22 p.—This report describes an experiment to determine the effects upon speed and accuracy resulting from systematic variations in indicator-control arrangements. The indicators (stimuli) were eight red lights arranged in a row on a display panel. The subjects operated a finger keyboard of 8 controls (response keys), likewise arranged in a row. Any light could be made the stimulus for any response key, and it was through this mechanism that spatial stimulus-response correspondence was varied. Results indicate clearly the serious losses in performance efficiency and stability that are likely to result when circumstances force the use of non-direct spatial correspondence between indicators and controls.

8483. **Paillard, J., Oléron, G., & Fraisse, P. Influence des attitudes posturales sur l'accompagnement moteur spontané d'un rhythme musical.** (Influence of body posture on the spontaneous motor accompaniment of musical rhythm.) *Année psychol.*, 1953, **53**, 405-413.—The spontaneous activity of the accompaniment of musical rhythm manifests itself in certain groups of muscles. This manifestation is observed in the limbs and the head oftener than in the trunk, and in the hands more frequently than the feet. Localization of the activity depends upon the position of the member, preferably in light support on a rigid surface, permitting synchronization of movements induced by the rhythm of musical stimuli.—(G. E. Bird)

8484. **Patton, Rollin Marcum. The effect of induced tension upon muscular activity during simple voluntary movement.** *Dissertation Abstr.*, 1953, **13**, 1279-1280.—Abstract of Ph.D. thesis, 1953, Indiana U.

8485. **Perbix, Joyce A.** (U. Kentucky, Lexington.) **Relationship between somatotype and motor fitness in women.** *Res. Quart. Amer. Ass. Hlth phys. Educ.*, 1954, **25**, 84-90.—A group of 83 physical education majors and about 100 non-majors who were somatotyped by Sheldon were given 4 motor fitness tests. Correlation of the two groups revealed that p.e. majors have slightly more dominant mesomorphic traits. Mesomorphy was closely related to strength and power while an inverse relationship between these factors and endomorphy was found.—(M. A. Seidenfeld)

8486. **Raivio, Yrjö. Masturbation and premarital intercourse among present-day Finnish male youths.**

Int. J. Sexol., 1953, **7**, 73–74.—Subjects were two groups of conscripts, one of 480 and the second of 117. Anonymous inquiry and the Szondi test combined with a personal interview were the two methods used in the investigation. The results indicate that masturbation and premarital relations are fairly common among Finnish male youths. Companionate marriage or trial marriage still exists in Finland and the majority of brides are pregnant at their wedding. There is a direct correlation between masturbation and educational level, and an inverse correlation between educational level and premarital intercourse. Masturbation and premarital relations are equally common among urban and rural youth.—(H. D. Arbitman)

8487. **Rice, George E., Jr. Behavior variability in paramecia; investigation of time and distance factors.** In *Pennsylvania State Univ., Abstracts of dissertations ... 1953*, 1954, **16**, 571–576.—Abstract of Ph.D. thesis.

8488. **Rubenstein, Robert, & Newman, Richard.** (Yale U., New Haven, Conn.) **The living out of "future" experiences under hypnosis.** *Science*, 1954, **119**, 472–473.—Reports the living out and description of events of a future date or age suggested to a group of hypnotic subjects. The authors believe that their observations challenge the validity of hypnotic regression to a nonconflictual time in the past.—(A. J. Sprow)

8489. **Simon, J. Richard, Shaw, Marvin E., & Gilchrist, J. C.** (U. Wisconsin, Madison.) **Some effects of prearranged performance scores upon the level of aspiration.** *J. exp. Psychol.*, 1954, **47**, 10–12.—Four groups of Ss were run on a miniature bowling alley apparatus where E had complete control over the score presented to S: group I was given an increasing series of scores; group II a decreasing series of scores; group III an increasing-decreasing series; and group IV a decreasing-increasing series. The "mean goal discrepancy of an increasing sequence of scores was found to be significantly smaller than the mean goal discrepancy of a decreasing sequence of scores, but the size of these discrepancies is changed significantly if the individuals have had different kinds of performance sequences prior to the sequence now occurring."—(J. Arbit)

8490. **Slocum, Helen Margaret. The effect of fatigue induced by physical activity on certain tests in kinesthesis.** *Dissertation Abstr.*, 1953, **13**, 1084–1085.—Abstract of Ph.D. thesis, 1953, State U. Iowa.

8491. **Stahler, Nathan, & Terzian, Levon A.** (Naval Med. Res. Inst., Bethesda, Md.) **Studies in the laboratory mating habits of *Anopheles quadrimaculatus* Say.** *J. exp. Zool.*, 1953, **124**, 317–328.—"It has been shown that the age of the mosquitoes, the length of time in cohabitation, the size of the rearing container, and the population density within these containers are among the factors which affect the mating habits of *Anopheles quadrimaculatus* in the laboratory."—(A. B. Shaklee)

8492. **Swartz, Paul, Norris, E. B., & Spragg, S. D. S.** (U. Rochester, N. Y.) **Performance on a following tracking task (modified SAM two-hand coordination test) as a function of radius of control cranks.** *J. Psychol.*, 1954, **37**, 163–171.—The purpose of this study was to investigate adequacy of performance in a two-handed tracking task as a function of the radius of the control handles. Five radii, of 1, 2, 3, 4, and 5.5 inches, each in two operating positions, were employed. 40 naive undergraduate S's were used. Performance was found superior for middle values (2, 3, 4 inches) than for either extreme. Vertical plane perpendicular to the frontal body plane was superior over cranks in the vertical plane parallel to the frontal body plane.—(R. W. Husband)

8493. **Valade, Lawrence H. J. The invariancy, validity, and reliability of a ratio of measures of complex over simple performance.** *Dissertation Abstr.*, 1953, **13**, 1055.—Abstract of Ed.D. thesis, 1953, Wayne U.

(See also abstract 8403)

COMPLEX PROCESSES AND ORGANIZATIONS

8494. **Abramson, Harold A. (Ed.) Problems of consciousness: transactions of the Fourth Conference, March 29, 30, and 31, 1953, Princeton, N. J.** New York: Josiah Macy, Jr., Foundation, 1954. 177 p. $3.25.—At this fourth conference on problems of consciousness (see **27**: 7018), three papers were presented as the basis for group discussion which is published verbatum. The three papers are: Roy R. Grinker, Problems of consciousness: a review, an analysis, and a proposition; Talcott Parsons, Consciousness and symbolic processes; Jean Piaget, Problem of consciousness in child psychology developmental changes in awareness. The discussions involved biological and neural, social, communicative, reasoning and thinking, and other dimensions or correlates of consciousness.—(C. M. Louttit)

8495. **Cattell, Raymond B., & Saunders, David R.** (U. Illinois, Urbana.) **Musical preferences and personality diagnosis: I. A factorization of one hundred and twenty themes.** *J. soc. Psychol.*, 1954, **39**, 3–24.—"Factorization of the like and dislike reactions to 120 musical excerpts by 196 'normal' men and women ... has yielded 12 factors, eight of which are confirmed by two independent rotations of the material. The general hypothesis that these independent dimensions of choice" are "personality and temperament factors ... seems sufficiently sustained" but "interpretations will wait on ... use of this instrument (I.P.A.T.) in research directed to relating these factors to measured personality factors and pathological syndromes." 31 references.—(J. C. Franklin)

8496. **Clark, Brant, & Malone, R. Daniel.** (USN School of Aviation Medicine, Pensacola, Fla.) **Topographical orientation in Naval Aviation Cadets.** *J. educ. Psychol.*, 1954, **45**, 91–109.—A test of topographical orientation, two tests of general intelligence

and five tests of special abilities were given to 242 Naval Aviation Cadets. Large errors in orientation to individual geographical points were found to be the rule. Topographical orientation appears to be a unique characteristic, since a comparison of the various scores shows it to be independent of spatial orientation, spatial visualization and other abilities tested in this study. 32 references.—(E. B. Mallory)

8497. **Cotts, Gerhard K. A socially constructive type of psychopathologically determined activity.** *Psychiatry*, 1954, **17**, 97-99.—Based on experience in community work, the author presents his repeated observation of the socially constructive results achieved by individuals whose motivations were established as psychopathological in later psychotherapy.—(C. T. Bever)

8498. **Ellsworth, Robert B. The effects of hostility on related verbal problem-solving behavior.** In *Pennsylvania State Univ., Abstracts of dissertations... 1953*, 1954, **16**, 544-547.—Abstract of Ph.D. thesis.

8499. **Etzel, Barbara Coleman. A study of the effect of frustration upon preference for doing a subsequent task.** *Dissertation Abstr.*, 1953, **13**, 1257.—Abstract of Ph.D. thesis, 1953, State U. Iowa.

8500. **Frankel, Esther Brina. An experimental study of psychoanalytic theories of humor.** *Dissertation Abstr.*, 1953, **13**, 1257-1258.—Abstract of Ph.D. thesis, 1953, U. Michigan.

8501. **House, Betty Jean. Some experimental tests of alternation theory.** *Dissertation Abstr.*, 1953, **13**, 1276.—Abstract of Ph.D. thesis, 1953, U. Connecticut.

8502. **Kepecs, Joseph G. Observations on screens and barriers in the mind.** *Psychoanal. Quart.*, 1954, **23**, 62-77.—"Mental states described as blankness, a void, or by the phrase, 'There is nothing in my mind,' may be investigated by requesting the subject to describe the experience. Often this will arouse memories or associations which indicate that these states of mental 'blankness' contain visual memories which have lost their outlines and distinctness. The memory has become a homogeneous part of the perceptual field. The application of attention may cause the memory to emerge from the field. Many of these memories which have become lost in the field are of the maternal breast."—(L. N. Solomon)

8503. **Kropp, Russell Paul. An evaluation of two methods of test interpretation and the related analysis of oral problem-solving processes.** *Dissertation Abstr.*, 1953, **13**, 1090.—Abstract of Ed.D. thesis, 1953, U. Illinois.

8504. **Kurland, Milton.** (Hunter Coll., N. Y.) **Romantic love and economic considerations: a cultural comparison.** *J. educ. Sociol.*, 1953, **27**, 72-79.—After an introduction as to the essence and development of romantic love, the author discusses (1) the historical background thereof, (2) romantic love in America, (3) some other cultural patterns, and (4) romantic love and the economic factors in America. Some statistics are quoted particularly in the last instance and a list of conclusions is drawn up.—(S. M. Amatora)

8505. **Lehman, Harvey C.** (Ohio U., Athens.) **Men's creative production rate at different ages and in different countries.** *Sci. Mon., N. Y.*, 1954, **78**, 321-326.—"...generalized age curves have been presented. These depict for several national groups their creative production rate in the various sciences and in mathematics. On the whole, it may be said that, for as recent a date as can be studied effectively, such age differences as exist are minor ones and that the decrement in creative production rate subsequent to ages 30 to 39 is about as rapid in one country as in any other.... Whatever the causes of growth and decline, it is clear that the genius does not function equally well throughout the years of adulthood." 39 references.

8506. **Mabry, James Edward. Some relations of response sets to discriminations by tests of personality integration.** *Dissertation Abstr.*, 1953, **13**, 1286.—Abstract of Ph.D. thesis, 1953, U. Illinois.

8507. **Ross, Bruce M.** (Lawrence Coll., Appleton, Wis.) **Probability predictions between and within series.** *J. Psychol.*, 1954, **37**, 279-289.—Three experiments were performed in which S's had to choose both a card deck which had each card stamped with a single symbol and predict the appearance of one of the two possible symbols. The S turned over the predicted card and continued to make similar deck choices and symbol predictions for 300 successive trials. 18 S's participated in each of 11 conditions. S's actually predicted at the frequency of occurrence rate despite frequent sporadic and unsystematic interruptions. A questionnaire given afterwards showed that S's appreciated more frequent appearance of one symbol than another, say where 60:40 ratio appeared, even though actual choices did not reflect it.—(R. W. Husband)

8508. **Rosvold, H. Enger, & Mirsky, Allan F.** (Yale U., New Haven, Conn.) **The closed field intelligence test for rats adapted for water-escape motivation.** *Canad. J. Psychol.*, 1954, **8**, 10-16.—A closed-field water-test apparatus for measuring intelligence, similar to floor test is described and comparisons of performance are made. Performance on the water test may not reliably predict performance on the floor test. Water test does discriminate normal rats from those with cortical lesions. Further, the water- and floor-test scores of the combined group (normal and brain-injured rats) will rank approximately the same when tested on the two forms. The closed-field water-test recommended in studies where motivation to run to food may be affected.—(E. D. Lawson)

8509. **Schlosberg, Harold. Three dimensions of emotion.** *Psychol. Rev.*, 1954, **61**, 81-88.—The author contends that the activation theory of emotions is the most adequate to date for conceptualizing the intensitive dimension of emotion, and that electrical skin conductance is a good measure of the extent of activation present. For other dimensions of emotion, however, he feels that other measurement approaches

are necessary and discusses facial expressions as one of these. Evidence is presented from facial expression studies which indicates that the whole range of such expressions can be described in terms of a circular surface with pleasantness-unpleasantness and attention-rejection as axes, with level of activation as a possible third dimension. It is concluded that facial expressions and body changes supplement each other in giving us the dimensions along which emotions may vary.—(E. G. Aiken)

8510. **Smythies, J. R. The experience and description of the human body.** *Brain*, 1953, **76**(1), 132–145.—The author says one should differentiate between the physical body and the perceived body on the grounds of spatial location. The latter should be regarded as coincident in space with the body-image in the brain of the physical body if the theory of psychoneural identity is held to be true. In Broad's terminology the perceived body is a sense-field or cross-section of a sense-history. The physical body is a physical object. They are connected by Broad's formula o-R-s, in which the author suggests that R stands for connection by signalling mechanism. The constant visual imagery relating to the body and parts of the body associated with movement and sensation is integrated, largely by the subconscious system of servo-mechanisms, into the unitary function of the human organism.—(Courtesy of *Biol. Abstr.*)

8511. **Veatch, Jeannette. An experimental study of the relation of a program of specific creative activities to group acceptance, emotional needs, and academic achievement.** *Dissertation Abstr.*, 1953, **13**, 1056–1057.—Abstract of Ph.D. thesis, 1953, New York U.

(See also abstract 8357)

LEARNING & MEMORY

8512. **Adams, Jack A., & Reynolds, Bradley. Effect of shift in distribution of practice conditions following interpolated rest.** *J. exp. Psychol.*, 1954, **47**, 32–36.—Ss were given 40 trials on a rotary pursuit task with the trial length being 15-sec. Four experimental groups had either 5, 10, 15, or 20 trials of massed practice, a 10-min. rest, and the remainder of the trials under distributed practice. Found (1) that the experimental groups showed a significant gain over rest varying as a function of the amount of prerest massed practice, and (2) performance in the postrest trials failed to stabilize at a level below that of a group having distributed practice throughout. Concluded that the massing of practice does not lead to the development of any permanent decremental states and that distribution of practice is a performance rather than a learning variable.—(J. Arbit)

8513. **Archer, E. James.** (U. Wisconsin, Madison.) **Postrest performance in motor learning as a function of prerest degree of distribution of practice.** *J. exp. Psychol.*, 1954, **47**, 47–51.—Using an inverted alphabet-printing task tested whether a massed practice group after a rest interval will show a permanent decrement, or conditioned inhibition, as compared to a distributed practice group. Found that the postrest performance of the massed and distributed groups was not significantly different so that there is no evidence of a permanent work decrement. By redefining practice as the making of a response rather than the time during which a response is made the postrest performance was adjusted on the basis of the number of previously made responses. The differences of the means of the adjusted scores were significantly different and the massed group was superior to that of the distributed groups for the postrest trials.—(J. Arbit)

8514. **Arinchin, N. I., & Karmanova, I. G. Uslovnoreflektornoe izmenenie venoznogo davleniя i tonusa venoznykh sosudov.** (Conditioned-reflex modification of venous pressure and tonus of veins.) *Fiziol. Zh. SSSR*, 1953, **39**(5), 594–600.—The formation of conditioned modifications of venous pressure and tonus demonstrates the fact of "cortical regulation of tonus of veins and, consequently, of venous pressure.—(I. D. London)

8515. **Belous, A. A., & Grebenkina, M. A. Uslovnye reflesky s karotidnykh khemoretseptorov.** (Conditioned reflexes involving the carotid chemoreceptors.) *Fiziol. Zh. SSSR*, 1953, **39**(5), 591–593.—Diuretic retardation and panting were respectively conditioned in dogs to previously indifferent stimuli. This adds support to the belief that "in the central nervous system there occur signals about energetic processes taking place in the tissues of the organism." This in turn lends support to the conclusion that "tissue energetic processes have representation in the cortex of the brain."—(I. D. London)

8516. **Botwinick, Jack. Stimulus generalization of human voluntary responses: the relationship between amount of training and generalization of visual stimuli varied in the size dimension.** *Dissertation Abstr.*, 1953, **13**, 1269–1270.—Abstract of Ph.D. thesis, 1953, New York U.

8517. **Brackmann, John Fred, Jr. The role of muscle potentials in transfer of training.** *Dissertation Abstr.*, 1953, **13**, 1270.—Abstract of Ph.D. thesis, 1953, Indiana U.

8518. **Daily, John Milton. Verbal conditioning without awareness.** *Dissertation Abstr.*, 1953, **13**, 1247–1248.—Abstract of Ph.D. thesis, 1953, State U. Iowa.

8519. **English, Horace B.** (Ohio State U., Columbus.) **The historical roots of learning theory.** Garden City, N. Y.: Doubleday, 1954. v, 21 p. 65¢.—"A complex tangle of influences results in the 'orthodox' doctrine of learning. First and foremost is the triumphant conquest of nature by the application of an atomistic physics. Second is the influence of practices current in the schools, and the need to rationalize these in theory. Third is the growth of neural physiology, which, although influenced by the development of psychology, had an independent growth which reacted back on psychology. And lastly also there is the influence of evolutionism, rather indirect as yet, and still to exert its maximum effect." The atomistic philosophy underlying connectionistic learning theory

is critically analyzed. An alternative interpretation is proposed.—(W. J. Meyer)

8520. **Essenberg, J. M.** (U. Chicago, Ill.) **The effect of nicotine on maze behavior of albino rats.** *J. Psychol.*, 1954, **37**, 291-295.—A weak solution of nicotine was injected intraperitoneally into 40 white rats. They learned an 8-turn maze before treatment and were retested at varying times throughout the experimental period of two years. Error and time scores were significantly poorer than their initial scores and over litter-mate controls. Growth rate was also slower.—(R. W. Husband)

8521. **Gerjuoy, Herbert George. Primary generalization in paired associate learning as a function of additional cues.** *Dissertation Abstr.*, 1953, **13**, 1272-1273.—Abstract of Ph.D. thesis, 1953, State U. Iowa.

8522. **Gerjuoy, Irma R. Discrimination learning as a function of the similarity of the stimulus names.** *Dissertation Abstr.*, 1953, **13**, 1273-1274.—Abstract of Ph.D. thesis, 1953, State U. Iowa.

8523. **Gustafson, Levarl Merle. Bilateral transfer "reminiscence" as a function of amount of prerest practice.** *Dissertation Abstr.*, 1953, **13**, 1274-1275.—Abstract of Ph.D. thesis, 1953, U. Illinois.

8524. **Hammes, John A. Acquisition of a visual discrimination as a function of fear motivation and task difficulty.** In *Pennsylvania State Univ., Abstracts of dissertations... 1953*, 1954, **16**, 552-554.—Abstract of Ph.D. thesis.

8525. **Haverland, Lillian Edith Hite. The effects of relaxation training on certain aspects of motor skill.** *Dissertation Abstr.*, 1953, **13**, 1081-1082.—Abstract of Ph.D. thesis, 1953, U. Illinois.

8526. **Henderson, Robert Lynn. Stimulus intensity dynamism and secondary reinforcement.** *Dissertation Abstr.*, 1953, **13**, 1087-1088.—Abstract of Ph.D. thesis, 1953, U. Missouri.

8527. **Hurley, John R. Performance in verbal learning as a function of instructions and achievement imagery scores.** *Dissertation Abstr.*, 1953, **13**, 1276.—Abstract of Ph.D. thesis, 1953, State U. Iowa.

8528. **Jones, Warren Francis, Jr. A comparison of retroactive and proactive inhibition as functions of the time interval between original learning and the measurement of retention.** *Dissertation Abstr.*, 1953, **13**, 1249.—Abstract of Ph.D. thesis, 1953, Vanderbilt U.

8529. **Kalish, Harry I.** (State U. Iowa, Iowa City.) **Strength of fear as a function of the number of acquisition and extinction trials.** *J. exp. Psychol.*, 1954, **47**, 1-9.—Studied the relation between strength of fear and number of acquisition trials as well as the extinction of fear under conditions in which no new response was learned during extinction. Using as a measure the latency of a hurdle-jumping response it was noted that fear increases as a monotonic function of the number of fear-conditioning trials and weakens progressively with successive extinction trials. Within the Hullian framework several alternative interpretations are discussed.—(J. Arbit)

8530. **Kobrick, John L. The relationships among three measures of response strength as a function of the numbers of reinforcements.** In *Pennsylvania State Univ., Abstracts of dissertations... 1953*, 1954, **16**, 555-564.—Abstract of Ph.D. thesis.

8531. **Konorski, Jerzy. Podstawy fizjologiczne pamięci.** (The physiological bases of memory.) *Myśl Współcz.*, 1948, No. 5(24), 214-232.—"The aim of this paper is to strictly formulate and characterise the problem of memory from the physiological point of view, to present the possible hypotheses of the mechanism of this phenomenon and to verify their soundness in the light of contemporary knowledge." Having discussed the excitability and plasticity of the nervous system, the author reviews and criticizes functional theories of neural plasticity and presents the structural theory of memory. The acquired forms of animal behavior must have some developmentally conditioned anatomical substratum. Any learning is simply the continuation of the processes of growth in the cerebral cortex.—(M. Choynowski)

8532. **Leonard, J. A.** (U. Cambridge, Eng.) **Advance information in sensorimotor skills.** *Quart. J. exp. Psychol.*, 1953, **5**, 141-149.—"Two experiments were carried out to demonstrate the effects of advance information. In both cases greater smoothness of performance was found to be possible when advance information was available. This effect was considered more important than the reduction in response time. Both effects were reflected in a reduction of the stopping times between successive responses."—(M. J. Wayner, Jr.)

8533. **Maatsch, Jack L.** (Michigan State Coll., E. Lansing.) **Reinforcement and extinction phenomena.** *Psychol. Rev.*, 1954, **61**, 111-118.—An elicitation hypothesis as to the nature of reinforcement is put forward as follows: "A reinforcement (E) will occur whenever there occurs a stimulus (s) or a stimulus complex (S) that elicits a characteristic response (r)." The author contends that such a definition avoids empirical and logical dilemmas found in both the drive reduction and contiguity theories of reinforcement. Extinction is defined as the learning of responses which are elicited by the omission of the reinforcing stimulus. A number of experimental results stemming directly from these hypotheses are presented. 22 references.—(E. G. Aiken)

8534. **Mech, E., Kapos, E., Hurst, F., & Auble, D.** (U. Indiana, Bloomington.) **A mathematical description of the relationship between frequency of responding (F) and intertrial interval in a motivational situation.** *J. Psychol.*, 1954, **37**, 251-256a.—This paper is concerned with a mathematical description of the relative effectiveness of verbal reinforcement, or praise, when the reinforcements are administered in massed and spaced fashions. 240 4th grade pupils were divided into two groups, each of which was further subdivided to receive 0, 50, and 100 per cent reinforcement. The pupils did 14 trials of 4 minutes each on routine arithmetic problems. In spaced conditions there was 10 minutes pause between trials; in massed the trials followed in immediate succession. Several learning curves are presented, and while they do not disclose a

clear conclusion, a covariance analysis showed that the groups receiving massed training performed significantly better than those having spaced training.—(R. W. Husband)

8535. **Murphy, Donald Brian. Recognition and recall as a function of frequency, shock, and individual differences variables.** *Dissertation Abstr.*, 1953, **13**, 1277–1278.—Abstract of Ph.D. thesis, 1953, State U. Iowa.

8536. **Neimark, Edith Deborah. Effects of type of non-reinforcement and number of alternative responses in two verbal conditioning situations.** *Dissertation Abstr.*, 1953, **13**, 1278.—Abstract of Ph.D. thesis, 1953, Indiana U.

8537. **Okhnianskaia, L. G. Issledovanie uslovnogo dykhatel'no-sosudistogo refleksa.** (A study of the pneumo-vascular reflex.) *Fiziol. Zh. SSSR*, 1953, **39**(5), 610–613.—It is possible to condition the pneumo-vascular reflex to acoustic, photic, and verbal stimuli.—(I. D. London)

8538. **Prince, Albert Irving, Jr. Some experimental tests of the facilitating effects of punishment in a non-correction situation.** *Dissertation Abstr.*, 1953, **13**, 1280.—Abstract of Ph.D. thesis, 1953, U. Connecticut.

8539. **Rockway, Marty Robert. Bilateral reminiscence in pursuit-rotor learning as a function of amount of first-hand practice and length of rest.** *Dissertation Abstr.*, 1953, **13**, 1281.—Abstract of Ph.D. thesis, 1953, Northwestern U.

8540. **Shimmon, William J. The identification of some of the concomitants of learning effectiveness.** *Dissertation Abstr.*, 1953, **13**, 1252.—Abstract of Ph.D. thesis, 1953, New York U.

8541. **Smirnov, V. M. Metodika dermolexia v primenenii k izucheniiu vtoroi signal'noi sistemy.** (The method of dermolexia in application to the study of the second signal system.) *Fiziol. Zh. SSSR*, 1953, **39**(5), 618–622.—A conditioned-reflex method, involving the tracing of characters on the skin, is described, followed by an account of experimental results achieved by its employment.—(I. D. London)

8542. **Stevenson, Harold W.** (U. Texas, Austin.) **Latent learning in children.** *J. exp. Psychol.*, 1954, **47**, 17–21.—Attempted to determine (1) whether children motivated to find a key to open a box and get a reward would acquire specific information about irrelevant objects, (2) whether latent learning depends upon S's age, and (3) whether the spatial arrangement of the irrelevant objects and key influences latent learning. Found that latent learning existed in the children, that it increased with increasing chronological age, and that the position of the test object was important in that the frequency of latent learning was significantly greater when the key was in the object and the child was obliged to pick out the object to obtain the key.—(J. Arbit)

8543. **Taylor, John E. The effects of positive-negative cue differences on the changing strength of response tendency.** *Dissertation Abstr.*, 1953, **13**, 1282.—Abstract of Ph.D. thesis, 1953, State U. Iowa.

8544. **Voronin, L. G. O mekhanizmakh tsepnykh vremennykh sviazei.** (On the mechanisms of chain conditioned reflexes.) *Zh. vyssh. nervn. Deiatel'.*, 1952, **2**(4), 535–546.—Experimental data are introduced in a discussion aiming to illuminate the probable mechanisms of chain conditioned reflexes.—(I. D. London)

8545. **Wickens, Delos D., Schroder, Harold M., & Snide, John D.** (Ohio State U., Columbus.) **Primary stimulus generalization of the GSR under two conditions.** *J. exp. Psychol.*, 1954, **47**, 52–56.—"In Exp. 1, 72 Ss were given 16 pairings of tone and shock, and were then extinguished to one of three tones. These tones were either the same one on which training was given or tones which differed from it by 25 or 50 j.n.d. There were 24 Ss in each extinction group, and each S was extinguished to only one tone. In Exp. 2, 12 nonreinforced clicks were presented during the training, but in all other aspects the experiment was identical with Exp. 1. It was found that the generalization gradient in Exp. 1 was bell-shaped rather than concave upward and that it is generated by the process of extinction. In Exp. 2 no gradient was found. This fact was interpreted in terms of the concept of partial reinforcement."—(J. Arbit)

8546. **Wyckoff, L. Benjamin, Jr. A mathematical model and an electronic model for learning.** *Psychol. Rev.*, 1954, **61**, 89–97.—A mathematical model for learning is developed, which includes a quantitative postulate on the nature of secondary reinforcement based on a qualitatively expressed notion of Skinner's. Then an electronic model was constructed, which operated according to the postulates of the mathematical model, to test whether the postulate system would yield plausible predictions of observing response learning. The operation of the machine indicated that the theory would yield such predictions. "Some of the implications of the theory and the use of a physical model in theory construction are discussed."—(E. G. Aiken)

8547. **Zimny, George Henry. The effects of certain techniques of inducing motivation upon learning and a performance task.** *Dissertation Abstr.*, 1953, **13**, 1253–1254.—Abstract of Ph.D. thesis, 1952, U. Minnesota.

(See also abstracts 8390, 8461, 8478, 8479, 8609, 8995)

THINKING & IMAGINATION

8548. **Damstra, Marten N. The phonetic-associative element in thought-development and in thought-imagination in the dream.** *Psychiat. Quart.*, 1954, **28**, 24–56.—In the dream a problem is likely to arise that is found in heraldry. Figures in heraldry and dream images are chosen phonetically. Thought-concept in the dream inclines to expression in a phonetically associated visual experience. The dream is not exclusively a wish-fulfillment but is an active independent entity endeavoring to remain loyal to the concept originally inspiring it.—(D. Prager)

8549. **Hedlund, James Lane. Construction and evaluation of an objective test of achievement im-**

agery. *Dissertation Abstr.*, 1953, **13**, 1259–1260.—Abstract of Ph.D. thesis, 1953, State U. Iowa.

8550. **Hoffman, Herbert N. A study in an aspect of concept formation with subnormal, average, and superior adolescents.** *Dissertation Abstr.*, 1953, **13**, 1275.—Abstract of Ph.D. thesis, 1953, New York U.

8551. **Isakower, Otto. Spoken words in dreams; a preliminary communication.** *Psychoanal. Quart.*, 1954, **23**, 1–6.—It is contended that the speech elements in dreams are a direct contribution from the superego to the manifest content of the dream. A case history example is given.—(L. N. Solomon)

8552. **McGaughran, Laurence Shirley. Dimensions of conceptualization: a preliminary experimental analysis of relationships between "conceptual areas" and language behavior.** In *Ohio State Univ., Abstracts of dissertations . . . 1950–51*, 1954, No. 65, 205–212.—Abstract of Ph.D. thesis.

8553. **Pumphrey, R. J. The evolution of thinking.** *Brit. J. Phil. Sci.*, 1954, **4**, 315–327.—The post-Darwinians, by applying Lloyd Morgan's canon, tended to deny thinking in animals. Freud then demonstrated that human thinking was perhaps most frequently a "*post-facto* justification of the unconscious choice." Recent evidence seems to make it clear that animals think as men do. In both man and animals thinking depends upon the ability to accept experience in the form of rules by which expectations are usually fulfilled. Intellectual progress depends upon tampering with the rules and not being wholly bound by them. No animal is completely bound nor is man completely free.—(P. E. Lichtenstein)

8554. **Rummel, J. Francis. The relationship between reasoning ability and other factors of human development.** *Curriculum Bull., Univ. Oregon, Sch. Educ.*, 1952, No. 104, 13 p. (Mimeo.)—The author considers the premise that education must be consistently concerned with the development of abilities in effective thinking, communication, the making of relevant judgements, and the discrimination of values. Empirical studies are reviewed and brought to focus around the question as to whether there is a relationship between reasoning ability and such factors as age, sex, intelligence, academic standing, learning, and transfer of training. 25-item bibliography.—(A. E. Kuenzli)

8555. **Thompson, William R., & Heron, Woodburn.** (McGill U., Montreal, P. Q., Can.) **The effects of restricting early experience on the problem-solving capacity of dogs.** *Canad. J. Psychol.*, 1954, **8**, 17–31.—The effect of restriction of early experience on the problem-solving ability at maturity was investigated in Scottish terriers. 13 were raised in the laboratory with their first 7–9 months of life having perceptual experience limited. Their 13 litter-mates were raised as pets either in the laboratory or at homes. The two groups showed no difference in motivation or emotionality which would bias their performance on tests of learning ability. 4 tests of problem-solving capacity were given and the restricted subjects were clearly inferior. The authors conclude that "restriction of early perceptual experience has a definite and fairly permanent retarding effect on dog intelligence." 18 references.—(E. D. Lawson)

(See also abstract 8761)

INTELLIGENCE

8556. **Herndon, C. Nash. Intelligence in family groups in the Blue Ridge Mountains.** *Eugen. Quart.*, 1954, **1**, 53–57.—Wechsler-Bellevue test data on 223 persons in 86 families averaged 94.52, this being consistent with findings on other rural North Carolina populations. There was an unusually high rate of cousin marriages and presumably with small size of mating isolates. Intra-family correlations indicate a genetic contribution of from 50 to 75% to the total variation of normal intelligence.—(G. C. Schwesinger)

8557. **Oléron, Pierre. L'intelligence.** (Intelligence.) *Année psychol.*, 1953, **53**, 83–97.—The theories of many investigators are presented, including the relation of intelligence to blood type, size of family, animal learning, problem solving, the formation of concepts, set or attitude, perseveration, rigidity, and orientation. Disagreement in experimental results should be thoroughly analysed, from the point of view of the nature of relations existing between conceptual and perceptual thought. 28 references.—(G. E. Bird)

8558. **Valin, E. L'analyse factorielle de l'intelligence.** (Factorial analysis of intelligence.) *Année psychol.*, 1953, **53**, 99–106.—Intelligence is known only by intelligent acts that can be observed. Although much has been written on the diversity of results in factorial analysis of tests of intelligence, the author presents a plan or pattern involving the organization of spatial, verbal, and musical material as interrelated. The work of Vernon on the structure of aptitudes, and a common factor in the analyses of Thurstone, Spearman and others are discussed.—(G. E. Bird)

PERSONALITY

8559. **Clark, Willis W.** (Calif. Test Bureau, Los Angeles.) **Sex differences in mental abilities among students of high intelligence.** *Calif. J. educ. Res.*, 1954, **5**, 90–93.—Matched performances of 136 male freshmen and a comparable number of nursing school candidates on the long-form California Test of Mental Maturity (Advanced Level), with a mean I.Q. of 117 and a sigma of 8.0, were compared as to language and non-language areas and the five factors—memory, spatial relations, logical reasoning, numerical reasoning, and verbal concepts. The critical ratios of the mean score point differences ranged from 4.91 (on memory, favoring the women) to 1.55 (on verbal concepts, favoring the men). "Men showed larger standard deviations on both language and non-language factors and on three of the five sub-test categories," excepting Spatial Relationships and Numerical Reasoning. There was no indication of a need for separate sex norms.—(T. E. Newland)

8560. **Jones, Marshall B.** (U. S. Naval Sch. Aviat. Med., Pensacola, Fla.) **Aspects of the autonomous personality: I. Manifest anxiety.** *U. S. Naval Sch. Aviat. Med. Res. Rep.*, 1953, Proj. No. NM 001 058.25.03, 4 p.—A positive and significant correlation between authoritarianism as measured by the California F Scale, Form 40-45, and manifest anxiety as measured by the Taylor Manifest Anxiety Scale is reported. 2 independent samples of Naval Aviation Cadets were used as subjects. In both samples, substantially the same results were obtained. The results support the clinical description of the authoritarian and, at the same time, suggest a neurotic component in the authoritarian personality structure.

8561. **Linn, Louis. The discriminating function of the ego.** *Psychoanal. Quart.*, 1954, **23**, 38–47.—"The 'discriminating function of the ego' is described and its probable psychological mechanism discussed. Breakdown of the function leads to errors in evaluation of reality characterized by wish fulfilments, condensations, displacements, and other mechanisms suggestive of the primary process. Both the preconscious and the unconscious seem to be involved in this function. A partial theory of how the function operates in terms of neurophysiology is presented."—(L. N. Solomon)

8562. **Pieter, Józef. Społeczne i dziedziczne podłoże różnic intelektualnych.** (The social and hereditary background of the mental differences.) *Myśl Współcz.*, 1948, No. 5(24), 198–214.—In this paper are discussed such problems as intelligence and intelligence testing, fiction of the equal social conditions and fiction of the equal degrees of inborn intelligence, the relation of heredity and environment and the results of research on the correlation between the level of social environment and the intelligence of Silesian children ($r = + 0.82$, P.E. = 0.06, N = 1700). The author concludes that in regard to normal people the discriminatory influence of the environment is much stronger than the influence of heredity. 12 references.—(M. Choynowski)

8563. **Rinne, Konrad William. A differential analysis of various group responses to characteristics of personality as measured by the Minnesota Multiphasic Personality Inventory.** *Dissertation Abstr.*, 1953, **13**, 1263–1264.—Abstract of Ph.D. thesis, 1953, Indiana U.

8564. **Taylor, Donald M. Consistency of the self-concept.** *Dissertation Abstr.*, 1953, **13**, 1267–1268.—Abstract of Ph.D. thesis, 1953, Vanderbilt U.

8565. **Williams, Henrietta V.** (U. Wisconsin, Madison.) **A determination of psychosomatic functional unities in personality by means of P-technique.** *J. soc. Psychol.*, 1954, **39**, 25–45.—"Thirteen factors, rotated to simple structure, have been found by this P-Technique study of a 'normal' 23-year-old man. Most of these factors . . . contain loadings in both the physiological and psychological areas . . . and are functionally interrelated. It is to be hoped that other P-Technique studies will include a sufficiency of common 'marker' variables to permit better accumulation of comparable data which . . . will permit overall generalizations among them." 25 references.—(J. C. Franklin)

8566. **Witkin, H. A., Lewis, H. B., Hertzman, M., Machover, K., Meissner, P. Bretnall, & Wapner, S. Personality through perception: an experimental and clinical study.** New York: Harper, 1954. xxvi, 571 p. $7.50.—A basic group of 52 men and 51 women college students were studied in perceptual tasks (essentially perception of the vertical) and in a variety of personality test measures. Data on additional normal adults, on psychiatric patients, and on children were also secured. This monograph reports the test and experimental results in detail, and the various interrelations of the measures. Perception is basically influenced by the field but the subjects fall into two types; those who are field dependent, and those who are analytic or field independent. In personality the first of these types "tend to be characterized by passivity in dealing with the environment; by unfamiliarity with and fear of their own impulses, together with poor control over them; by lack of self-esteem; and by the possession of a relatively primitive, undifferentiated body image." The field-independent group tend to exhibit opposite personality characteristics. The authors discuss the significance of this type of research to the progress of both experimental and clinical psychology. 6-page bibliography.—(C. M. Louttit)

(See also abstracts 8273, 8305)

AESTHETICS

8567. **Brittain, W. Lambert. Experiments for a possible test to determine some aspects of creativity in the visual arts.** In *Pennsylvania State College, Abstracts of dissertations . . . 1952*, 1953, **15**, 277–279.—Abstract of Ed.D. thesis.

8568. **Corso, John F.** (Pennsylvania State U., State College.) **Scale position and performed melodic octaves.** *J. Psychol*, 1954, **37**, 297–305.—In an attempt to determine the manner in which melodic octaves performed on musical instruments varied in physical extent with shifts in the location of the octaves along the frequency continuum, data were obtained for 5 highly trained S's over a wide portion of the equal tempered scale. Treatment of the data involved tests for trends in mean octave extents and tests for linearity of means through analysis of variance and covariance, respectively. For each instrument studied, the results indicated a significant trend in mean octave extent to increase with shifts in the location of the performed octaves along the frequency continuum. The hypothesis of linearity of mean octave extent and scale position, however, was in no case tenable. The interpretation of results suggests that the pitch of musical sounds is not directly proportional to the logarithm of frequency and is probably complexly conditioned. 19 references.—(R. W. Husband)

8569. **Fraisse, P., Oléron, G., & Paillard, J. Les effets dynamogéniques de la musique. Étude experi-**

mentale. (Dynamic effects of music. Experimental study.) *Année psychol.*, 1953, **53**, 1-34.—Subjects listened to music, in a natural position, and while tapping with the right hand on a table. The diffusion of motor effects was less during tapping. In a natural posture there is a preponderance of activity of the hands or the feet and the right side over the left. The dynamic effect of a piece of music is greater when the rhythm structure is simple. Sensitivity to dynamic effect is variable among different individuals but relatively constant in the same subject, the sensitivity being independent of musical ability, disposition or liking for dancing.—(G. E. Bird)

8570. **Kanzer, Mark, & Tarachow, Sidney. Applied psychoanalysis. VI. Arts and aesthetics.** *Annu. Surv. Psychoanal.*, 1952, **1**, 363-389.—The literature of "applied psychoanalysis" for 1950 is summarized according to the following areas: (1) Theory and methodology: the nature of talent and artistic creativity; (2) the nature of the art medium itself; (3) symbolism in the arts; (4) the Oedipus motive and other problems in literature and drama; (5) studies of artists: pathographies.—(F. Costin)

8571. **Révész, G. Introduction to the psychology of music.** Norman: University of Oklahoma Press, 1954. xiv, 261 p. $4.00.—This translation by G. I. C. de Courcy from the German of "Einführung in die Musikpsychologie" is not a strict translation of the original work (see **22**: 4323), since various revisions have been made in the basic text, including some deletions and the addition of an entirely new chapter: "The development of musical talent in maturity and advanced age." Part I presents the physical and physiological bases of sensations of tone. Part II deals with the psychology of sound. Part III discusses the psychology of music. 165-item bibliography.—(A. J. Sprow)

(See also abstract 9000)

DEVELOPMENTAL PSYCHOLOGY

8572. **Kahn, Marvin W. Infantile experience and mature aggressive behavior of mice: some maternal influences.** *J. genet. Psychol.*, 1954, **84**, 65-75.—"This investigation was designed to test the influence upon offspring, of a defeat experience suffered by the mother. The aggressive behavior of male mice was considered a suitable medium with which to test the general hypothesis: that male offspring raised by 'defeated' mothers would be as adults more defensive and less aggressive than those raised by 'non-defeated' mothers." While results of this test were not clear cut, further test of animals raised in isolation from mothers showed "isolated animals were somewhat more defensive, strikingly more aggressive, and less investigatory than those reared to maturity by the mother." 16 references.—(Z. Luria)

8573. **Troshikhin, V. A. Nekotoryye itogi izucheniya vysshey nervnoy deyatel'nosti v ontogeneze.** (A partial summary of the study of higher nervous activity in ontogenesis.) *Zh. vyssh. nervn. Deyatel'.*, 1952, **2**(4), 561-571.—At birth a puppy already exhibits complex chains of conditioned and unconditioned reflexes. The development, action, and interaction of the various analyzers (motor, vestibular, etc.) are discussed in the light of experimental data.—(I. D. London)

8574. **Wagman, Irving H.** (Jefferson Med. Coll., Philadelphia, Pa.) **Reflex time during growth considered in relation to internodal length and conduction velocity.** *J. Neurophysiol.*, 1954, **17**, 66-71.—Measurements of the latency of a spinal reflex (H reflex) were made on 16 subjects ranging in age from six to 42 years and in height from 45 to 76 inches. Reflex time increased progressively during growth from the age of six years, and varied directly with the size of the individual. It is concluded that reflex conduction velocity is proportional to the diameter of fibers and has no relation to internodal length. The results are discussed in relation to Rushton's theory of the effects of fiber size in medullated nerve.—(H. P. Van Cott)

CHILDHOOD & ADOLESCENCE

8575. **Albino, Ronald C. Defences against aggression in the play of young children.** *Brit. J. med. Psychol.*, 1954, **27**, 61-71.—"1. The behaviour of a group of preschool children in a partly restricted play situation was fully recorded, each child being interviewed individually. 2. The aggressive episodes in the records were analysed to determine the form of their termination. 3. It was found that the observed terminations to the aggressive episodes could be regarded as defences against aggression." 17 references.—(C. L. Winder)

8576. **Ausubel, David P., & Schiff, Herbert M. The effect of incidental and experimentally induced experience in the learning of relevant and irrelevant causal relationships by children.** *J. genet. Psychol.*, 1954, **84**, 109-123.—"With respect to the learning of a relevant and an irrelevant causal relationship in a teeter-totter problem by kindergarten, third-grade, and sixth-grade children, the following conclusions seem justified: The ability to learn a relevant causal sequence and to inhibit the learning of an irrelevant causal sequence increases with age.... Despite the fact that children at all three age levels were able to utilize an irrelevant antecedent cue in learning to predict a consequence, they were reluctant to acknowledge same and in most cases offered relevant explanations for their predictions."—(Z. Luria)

8577. **Axelrod, Herman C. Bilingual background and its relation to certain aspects of character and personality of elementary school children.** *Dissertation Abstr.*, 1953, **13**, 1245-1246.—Abstract of Ph.D. thesis, 1952, Yeshiva U.

8578. **Baley, Stefan. Psychologiczna problematyka wieku dojrzewania.** (Psychological problematics of the adolescence.) *Myśl Współcz.*, 1950, No. 7(50), 25-43.—This is the self critical discussion of the bourgeois psychology of adolescence, as represented in the author's own "Psychology of adolescence," written twenty years ago. The generalizations of the

"classical" psychology of adolescence were often hasty and imprudent, pertinent only for some social classes of Western civilization, and far from being universally valid. The mental development during the puberty age has quite different course both among primitive peoples and in socialist society. Marxian psychology explains the dynamics of this period and the moulding of its structure in definite conditions of the new social existence.—(M. Choynowski)

8579. **Bell, Richard Q. Convergence: an accelerated longitudinal approach.** *Child Develpm.*, 1953, **24**(2), 145-152.—The author has devised "an accelerated longitudinal approach" to developmental studies in order to cut down the time needed for longitudinal investigation and to overcome the limitation of cross-sectional studies in following cumulative effects of a variable. In an example, 4 groups are plotted on a graph: children of 6, 8, 10 and 12 years of age. By plotting each group 3 times (e.g., the youngest at age 6, 7 and 8) a total graph is obtained covering age 6 through 14, in a 2-year period.—(L. S. Baker)

8580. **Biddulph, Lowell G.** (Ricks College, Rexburg, Idaho.) **Athletic achievement and the personal and social adjustment of high school boys.** *Res. Quart. Amer. Ass. Hlth phys. Educ.*, 1954, **25**, 1-7.—A study of the personal and social adjustment of 461 sophomore and junior high school boys comparing those of high and low athletic achievement. Students ranking high in athletic achievement displayed greater personal and social adjustment than those in the low category. On the basis of these findings Biddulph recommends greater and more extensive emphasis on intramural athletics as against interscholastic activities programs.—(M. A. Seidenfeld)

8581. **Biehler, Robert Frederick. An analysis of free painting procedures as used with preschool children.** *Dissertation Abstr.*, 1953, **13**, 1254.—Abstract of Ph.D. thesis, 1953, U. Minnesota.

8582. **Bonney, M. E.** (N. Texas St. Coll., Denton.) **Choosing between the sexes on a sociometric measurement.** *J. soc. Psychol.*, 1954, **39**, 99-114.—"From the wide differences found in groups [of school children] studied it seems appropriate to conclude that the volume of accepting interpersonal attitudes which exist between and within sex groups in any particular classroom is much more likely to be due to such factors as level of socio-economic home background, the extent to which boys and girls have enjoyed pleasant associations in groups, the extent to which they have been separated in seating and eating situations, and the extent to which teachers and other adults have encouraged or minimized sex differences by direct and indirect teaching, rather than to constitutional differences or to so-called natural stages of sex development."—(J. C. Franklin)

8583. **Caplan, Gerald.** (Harvard Sch. Pub. Hlth, Boston, Mass.) **The disturbance of the mother-child relationship by unsuccessful attempts at abortion.** *Ment. Hyg., N. Y.*, 1954, **38**, 67-80.,—Unsuccessful attempts at terminating a pregnancy result in disturbed mother-child relationships. Several cases illustrating this observed fact are included. Mental hygiene approaches to dealing with this problem should include measures to reduce as well as create recognition of maternal guilt and anxiety, education of the mother not to interfere with the natural course of pregnancy, and efforts to secure acceptance, understanding and love for the child who has been the product of this unwanted pregnancy.—(M. A. Seidenfeld)

8584. **Cole, Luella. Psychology of adolescence.** (4th ed.) New York: Rinehart, 1954. xvi, 712 p. $6.00.—"The present revision [see **21**: 2505] differs from its predecessors in the substitution of more recent or more complete studies for such reports as have become out-dated, in the inclusion of more interpretation of the data—and especially of a more psychoanalytic interpretation—and in the emphasis upon material from recent studies in personality and sociometry. In response to the modern interest in personality, I have added a chapter on this topic. The list of novels illustrating problems of growth and possible solutions ... to these problems has been revised and brought up-to-date. The references to the periodical literature at the end of the chapters have been grouped into topics...."

8585. **Corcoran, Ambrose Leslie. The variability of children's responses to color stimuli.** In *Pennsylvania State Univ., Abstracts of dissertations ... 1953*, 1954, **16**, 223-230.—Abstract of Ed.D. thesis.

8586. **Fagin, Barry.** (U. Florida, Gainesville.) **Guiding the vocational interests of the child.** *Education*, 1953, **74**, 171-179.—Vocational interests involve attitudes which play an important role in life adjustment. The school has given relatively little attention to this fact as compared, for example, with its concern about the child's academic achievement and health. The author proceeds to discuss the values of early guiding the vocational interests of the child under the following subtopics: (1) educational significance; (2) origin of vocational interests; (3) stages in developmental patterns; (4) developmental task sequence; (5) guiding the child's interests; (6) first vocational choice; (7) pertinent applications.—(S. M. Amatora)

8587. **Galifret-Granjon, N. Les troubles du langage chez l'enfant.** (Difficulties of language in the child.) *Année psychol.*, 1953, **53**, 503-516.—Difficulties of verbal expression and comprehension and learning to read and write are analysed. Verbal comprehension may depend on hearing or development of the individual. Difficulties in writing may be part inherent and part developmental. On the subject of learning to read, attention is called to the effect of dyslexia and many hypotheses are cited from various authorities. 22 references.—(G. E. Bird)

8588. **Hoeflin, Ruth Merle. The effect on child rearing practices of the various types of child care resources used by Ohio farm families.** In *Ohio State Univ., Abstracts of dissertations ... 1950-51*, 1954, No. 65, 117-120.—Abstract of Ph.D. thesis.

8589. **Horton, R. E., & Remmers, H. H. Some ethical values of youth, compared over the years.** *Purdue Opin. Panel*, 1954, **13**(2), 7, 11a p. (Rep. No. 38.)—This poll repeats Brogan's study of 1919–1920 and compares the "ethical judgments of youth in 1954 with those of 35 years ago." Rural and urban high school students made a list of the worst practices and a second list of the best practices. Changes seem to indicate that practices of a social nature are being replaced by more general personality traits. Added were "a few questions on current issues or events."—(M. M. Gillet)

8590. **Jersild, Arthur T.** (Teachers Coll., Columbia U., New York.) **Child psychology.** (4th ed.) New York: Prentice-Hall, 1954. xii, 676 p. $8.00.—Compared with the 3rd edition (see **22**: 237) this revision places more emphasis on personal and subjective aspects of child life, with "concept of self" occupying a central position. Early chapters present more basic principles, including a "philosophy of growth" and "the psychological currents in the world into which the child is born." Themes developed throughout the book are presented in the early chapters; for example, the relationship between understanding ourselves and understanding children. The last chapter shows how experimental, clinical, and theoretical findings can help us to understand children and help them understand themselves. Major changes in the middle of the book deal with affection, hostility, anxiety, prejudice, feeling and thinking, and the role of compassion in the development of emotional maturity.—(F. Costin)

8591. **Kasatkin, N. I. Rannie uslovnye refleksy rebënka.** (Early conditioned reflexes of the child.) *Zh. vyssh. nervn. Deĭatel'.*, 1952, **2**(4), 572–581.—A discussion of research done on conditioned reflexes in young children is presented from the Pavlovian standpoint. "Rearing and education of the child must be based on exact and objective knowledge of the ontogenesis of the physiological activity of the brain and of the ontogenetic development of the analyzers." Hence, "the problem of the individual development of higher nervous activity" turns out to be "one of the most challenging problems of Pavlovian theory."—(I. D. London)

8592. **Krasnogorskiĭ, N. I. K fiziologii stanovleniĭa detskoĭ rechi.** (On the physiology of the development of speech in children.) *Zh. vyssh. nervn. Deĭatel'.*, 1952, **2**(4), 474–480.—"I. V. Stalin's theory concerning the unity of the development of speech and thought has resolved the most difficult philosophical problem of the transition from 'sensation to thought'." Thought is nothing but a complex of chains of conditioned speech reflexes in accordance with Pavlovian theory. This thesis is developed in the light of observations on the development of speech in children. —(I. D. London)

8593. **Langford, William S., Gilder, Rodman; Wilking, Virginia; Genn, Minnie M., & Sherrill, Helen. Pilot study of childhood accident; preliminary report.** *Pediatrics*, 1953, **11**, 405–415.—This is the preliminary report of a study designed to determine the significance of a variety of factors such as physical coordination, personality, parental attitudes, parent-child relationships, environmental hazards, etc. upon the frequency of accidents in children. Ten children who were brought to a hospital at least 3 times over an 18 month period were compared with accident free children. No significant differences were found in the physical, neurological, and ophthalomological studies of the two groups; it was difficult to evaluate the electroencephalograms; the accident children built up pleasant, if superficial, relations with adults. One difficulty mentioned was "the inability to get from children or their parents much of the emotion and feelings centered around the times of specific accidents." —(M. C. Templin)

8594. **Lasko, Joan Kalhorn.** (Ohio State U., Columbus.) **Parent behavior toward first and second children.** *Genet. Psychol. Monogr.*, 1954, **49**, 97–137.—The behavior patterns of 46 mothers as related to their first- and second-born children are compared. The data are interpreted as supporting the following conclusions: (1) mothers' behavior toward first as contrasted with second children is "on the average less warm emotionally and more restrictive and coercive," (2) mothers' behavior toward second children does not change systematically as the children grow older but there is a systematic reduction in maternal interaction with second children as the latter grow older, (3) mothers tend to be generally consistent in their methods of rearing first and second children, (4) the age difference between first- and second-born siblings is an important determiner of the mother's behavior toward the two children. 22 references.—(G. G. Thompson)

8595. **Laszlo, Carl.** (St. Alban-Talstr. 19, Basel, Switzerland.) **Traumbilder eines zehnjährigen Knaben.** (Dream images of a ten-year old boy.) *Heilpädag. Werkbl.*, 1954, **23**, 23–25.—The purpose of the article is to point out the "richness and poetic creativeness of the child's soul when the pictures from the unconscious are projected with primitive intensity and still partly uncensored." 7 dreams and daydreams and 2 stories of a 10-year old enuretic boy are presented in full, together with a short summary of the child's problem and of the function of his fantasies in the progress of therapy.—(D. F. Mindlin)

8596. **Lewis, Eve. The function of group play during middle childhood in developing the ego complex.** *Brit. J. med. Psychol.*, 1954, **27**, 15–29.—"1. The most important finding appears to be that the period of middle childhood is one of great psychic growth. The child has profound psychic experiences behind the facade of his largely extroverted activities. 2. The gang organization is of fundamental importance to the child at this stage of development. It helps him to separate from the mother; to establish his best attitude and function; to enrich and integrate the ego by profound experience of inner and outer reality. 3. When a major modification of consciousness must, in the natural course of development, be made, the 'self' of the gang 'lives' the children, uniting consciousness

and the unconscious in creative play experience."—(C. L. Winder)

8597. **Marui, Kiyoyasu.** (Hirosaki U. Japan.) **The role of the parents in the education of children.** *Folia psychiat. neur. jap.*, 1952, **6**, 221-230.—The author states briefly some psychoanalytic principles and points to their implication for the behavior of parents. Observations on patients supplement the discussion. —(M. L. Simmel)

8598. **Mattil, Edward LaMarr. A study to determine the relationship between the creative products of children, age 11 to 14, and their adjustment.** In *Pennsylvania State Univ., Abstracts of dissertations... 1953*, 1954, **16**, 327-332.—Abstract of Ed.D. thesis.

8599. **Mitton, Betty L., & Harris, Dale B.** (U. Minnesota, Minneapolis.) **The development of responsibility in children.** *Elem. Sch. J.*, 1954, **54**, 268-277. —The authors give an overview of the ten broad principles or general statements that emerge from the general literature on responsibility in children. Following this is given a brief resumé of the few research studies on child responsibility. They conclude with ten propositions demonstrated by this extensive review. 45 references.—(S. M. Amatora)

8600. **Moore, Floride. Children's concepts of family relationships as revealed by their responses to certain motion pictures: an investigation of elementary school children's concepts of family relationships as revealed by their responses to some family living situations depicted in certain excerpted motion pictures.** *Dissertation Abstr.*, 1953, **13**, 1091-1092.—Abstract of Ph.D. thesis, 1953, New York U.

8601. **O'Connor, Burton L. A comparative study of certain aspects in the development of home-reared versus institution-reared high school boys.** In *Pennsylvania State College, Abstracts of dissertations... 1952*, 1953, **15**, 373-377.—Abstract of Ed.D. thesis.

8602. **Pratt, K. C., Hartmann, W. E., & Mead, J. L. Indeterminate number concepts: III. Representation by children through selection of appropriate aggregations.** *J. genet. Psychol.*, 1954, **84**, 39-63.—This paper studies: "(a) The discovery of those determinate number groups deemed appropriate by children to the various indeterminate number names which were the object of investigation. (b) The effect of concrete things, or the symbols of concrete things, upon the choice of an aggregate to illustrate any one indeterminate number name. ...[Also studied were] the roles of sex and age in such judgments."—(Z. Luria)

8603. **Rosenzweig, Saul.** (Washington U., St. Louis, Mo.) **Babies are taught to cry: a hypothesis.** *Ment. Hyg., N. Y.*, 1954, **38**, 81-84.—A description of the manner in which infants "are taught to cry" as viewed by Rosenzweig who looks upon the process as one of conditioning. He believes that it is possible to reduce crying as a mode of communication by using pre-crying cues as the basis for recognizing the babies' needs and promptly supplying them. This converts the cues which then become the regular communication modality and eliminate crying as a generalized form of expression, reserving its use only to those circumstances when appropriate uses are not yet recognized by the parent or parental-substitute.—(M. A. Seidenfeld)

8604. **Ross, Nathaniel.** (Columbia U., New York.) **Psychoanalytic studies in development; instinctual drives—ego.** *Annu. Surv. Psychoanal.*, 1952, **1**, 61-108.—Papers abstracted in this chapter fall into 2 general areas: (1) historical and general considerations; (2) specific aspects of development. Subsumed under the second area are the following: infancy; latency period; specific factors influencing development; female development; male development. The author feels that the developmental field in psychoanalytic study was highly active and fruitful during 1950; Anna Freud's "experimental situations" approach is seen as a promising "method of verification for testing psychonalytic hypotheses."—(F. Costin)

8605. **Sigel, Irving E.** (Merrill-Palmer Sch., Detroit, Mich.) **Developmental trends in the abstraction ability of children.** *Child Develpm.*, 1953, **24**(2), 131-144.—Abstraction on a sensori-motor level increases with age, while perceptual classification of items decreases with age in a study of 60 children of 7 to 11 years of age. The 11's used conceptual grouping while the 7's predominantly used grouping involving themes or stories in a sorting test. 26 references.—(L. S. Baker)

8606. **Stacey, Chalmers L., & Reichen, Marie L.** (Syracuse U., N. Y.) **Attitudes toward death and future life among normal and subnormal adolescent girls.** *Except. Child.*, 1954, **20**, 259-262.—A 36-item questionnaire was administered to 75 institutional subnormal girls (Mean CA.: 15-11; Mean Binet-L IQ: 65) and 75 normal adolescent high school girls (Mean C.A.: 15-2; average to superior intelligence according to group tests), with comparable religious samplings. Among other findings: The subnormal adolescent girls were more emotional and fearful about death, more often wished for, believed in and worried about a life after death. The normals were more imaginatively fearful regarding death.—(T. E. Newland)

8607. **Stout, Irving W., & Langdon, Grace.** (Southern Illinois U., Carbondale.) **A report on follow-up interviews with parents of well-adjusted children.** *J. educ. Sociol.*, 1953, **26**, 434-442.—Follow-up interviews were made with parents of 81 children. These interviews served to give some indication of the answer as to whether or not children alleged to be well-adjusted at one time can be expected to maintain their good adjustment only as far as it pertains to these 81 at the time of the follow-up interview. Results of the study indicate that 76 of the 81, after a lapse of four to five years, may still be considered as well-adjusted, while four are somewhat questionable and one was poorly adjusted at the time.—(S. M. Amatora)

8608. **Strang, Ruth.** (Teachers Coll., Columbia Univ., New York.) **How children and adolescents view their world.** *Ment. Hyg., N. Y.*, 1954, **38**, 28-33. —A brief discussion of the use of "freely written compositions" as a method for "gaining an under-

standing of children and young people." Information regarding the opinions of children and adolescents on curriculum, disciplinary methods, teachers, social relations, and their attitudes toward themselves is summarized.—(M. A. Seidenfeld)

8609. **Volkova, V. D. O nekotorykh osobennostiakh obrazovaniia uslovnykh reflesakh na rechevye razdrazhiteli u detei.** (On several features of the formation of conditioned reflexes to verbal stimuli in children.) *Fiziol. Zh. SSSR*, 1953, **39**(5), 540-548.—Conditioned reflexes may be elicited not only in response to directly given words similar in meaning to the words serving as the conditioned stimuli, but also to words which express solutions of puzzles and to numbers which result from summing numerical symbols.—(I. D. London)

8610. **Williams, Judith R., & Scott, Roland B.** (Howard U. Sch. Med., Washington, D. C.) **Growth and development of Negro infants: IV. Motor development and its relationship to child rearing practices in two groups of Negro infants.** *Child Develpm.*, 1953, **24**(2), 103-121.—Gross motor acceleration in Negro children, a "stereotype often applied," is shown to be a function of socio-economic level rather than a "racial" characteristic. Children from a lower socio-economic level showed "significant gross motor acceleration" compared to those from a higher group.—(L. S. Baker)

(See also abstracts 8542, 8550, 8917)

MATURITY & OLD AGE

8611. **Arthur, Julietta K. How to help older people; a guide for you and your family.** Philadelphia: J. B. Lippincott, 1954. 500 p. $4.95.—Areas covered in this non-technical book include "getting along with older people," "what is normal age," how the older person can go about finding a job or securing financial aid, where he can turn for social experiences, ideas for developing satisfying leisure-time activities, etc. Suggestions for further reading are included at the end of all 15 chapters. The book also contains a series of appendices which provide a directory of services available for older persons.—(H. Feifel)

8612. **Frost, Laurence L. The aging ego: affect.** *J. Colo.-Wyo. Acad. Sci.*, 1953, **4**(5), 49.—Abstract.

8613. **Gakkel', L. B. & Zinina, N. V. Izmeneniia vysshei nervnoi deiatel'nosti u liudei v vozraste svyshe 60 let.** (Changes in higher nervous activity of people over 60 years of age.) *Fiziol. Zh. SSSR*, 1953, **39**(5), 533-539.—"Changes in higher nervous activity in old age are manifested in the weakening of the inhibitory processes" as witnessed by "increased difficulty of developing all forms of internal inhibition." Weakening of the inhibitory process is first revealed in the speech function. To a significant degree the lability of the nervous processes is diminished, leading to (1) difficulty in forming conditioned reflexes, (2) prolonged irradiation of nervous processes, and (3) lengthening of the latent period. While changes in higher nervous activity intensify with age, they do not parallel growth of years, depending rather on type of higher nervous activity involved.—(I. D. London)

8614. **Greenleigh, Lawrence F. Psychological problems of our aging population.** Washington, D. C.: U. S. Public Health Service, 1952. 76 p.—Studies of the mental health of elderly people should be longitudinal because the problems of the aged are the outgrowth of earlier periods. The relationship of anatomical and physiological changes to mental health in old age is considered. In general it appears "that those who have adapted most successfully to their life situations during their early years, adapt best to the stresses of the later years, including moderate and in some cases severe, brain changes." 36 references.—(G. K. Morlan)

8615. **Ross, Mathew. Some psychiatric aspects of senescence: a review of the literature.** *Psychiat. Quart.*, 1954, **28**, 93-112.—The ranks of the elderly are ever increasing. The keynote for the mental hygiene of old age is to die with one's boots on. The results of psychiatric treatment in the aged are thus far encouraging. More physicians should accept the challenges of clinical gerontology. 45 references.—(D. Prager)

SOCIAL PSYCHOLOGY

8616. **Chappell, Tolan L. A validity study of the level-of-abstraction index as a measure of movement within the topical discussion unit.** *Dissertation Abstr.*, 1953, **13**, 1255-1256.—Abstract of Ph.D. thesis, 1953, U. Missouri.

8617. **de Montmollin, G. Le phénomène de normalisation à l'intérieure d'un groupe social.** (The phenomenon of normalization within a social group.) *Année psychol.*, 1953, **53**, 539-551.—The phenomenon of the normalization of the group is a psychological problem. It furnishes the point of impact between the individual and the group. The mere fact of the individual's identification with the group changes his point of view, thought and action according to circumstances and conditions. However, the group does not exist or act outside of the individual, and the behavior of the group can be explained only by considering the individual. 19 references.—(G. E. Bird)

8618. **de Schweinitz, Karl, Jr.** (Northwestern U., Evanston, Ill.), **& Thompson, Kenneth W. Man and modern society; conflict and choice in the industrial era.** New York: Henry Holt and Co., 1953. xii, 849 p. $5.25.—A social science text inquiring into the major institutions and problems of contemporary society by economists, sociologists, geographers, and political scientists.—(S. B. Groy)

8619. **Devereux, George.** (Winter General Hosp., Topeka, Kans.) **Applied psychoanalysis. V. Sociology.** *Annu. Surv. Psychoanal.*, 1952, **1**, 325-363.—A summary of the papers reviewed in this section reveal there is an emerging "psychoanalytic sociology." These papers are discussed in terms of the following categories: (1) methodology; (2) group for-

mation; (3) socialization and national character; (4) attitudes and institutions; (5) social pathology.—(F. Costin)

8620. **Emge, Martinus. Die Lösung von der Gruppe und ihr Verhältnis zu Aussenstehenden.** (Separation from the group and its relation to outsiders.) *Köl. Z. Sociol.*, 1953/54, **6**, 63–82.—The introductory paragraphs deal with the feelings of boredom and of weariness from monotonous work in their influence on group life. The following factors are discussed: (1) Inner conflict and opposition; gradual outgrowth from the group; leaving it or being excluded; the "psyche of the former group member." (2) basic attitudes towards strangers; degrees of indifference; pro- and contra attitudes; public opinion. 75 notes and references.—(M. Haas)

8621. **Fogel, David.** (Jewish Community Center, Omaha, Neb.) **Democratic group self-determination.** *J. educ. Sociol.*, 1954, **27**, 214–222.—There is little basic disagreement among leading authors in group work concerning the worker's role in the application of the principle of democratic group self-determination. Democratic behavior is, like other behavior, learned. Democratic self-determination is a derived principle and therefore must be practiced by a worker who accepts democratic procedures as a method capable of producing an atmosphere that will create a context for the application of this principle. In order to accept and apply this principle, the worker necessarily becomes involved in the acceptance and application of the basic principles of social work. A number of studies are discussed and some quotations therefrom included.—(S. M. Amatora)

8622. **Hall, Robert Latane. Social influence on the role behavior of a designated leader: a study of aircraft commanders and bomber crews.** *Dissertation Abstr.*, 1953, **13**, 1285.—Abstract of Ph.D. thesis, 1953, U. Minnesota.

8623. **Hollander, Edwin P. & Webb, Wilse B. Leadership, followership and friendship.** *U. S. Naval Sch. Aviat. Med. Res. Rep.*, 1954, Proj. No. NM 001 058.16.03, 7 p.—This is a study of the relationship between leadership, followership and friendship. Peer nominations of Naval Aviation Cadets were used. These consisted of nominations by each member of a well defined cadet group of three fellow members as high or low on leadership; high or low on followership; and their three best friends. Leadership nominations were found to be considerably independent of friendship nominations. Leadership and followership nominations were highly related. The findings imply that leadership and followership nominations contain a factor unique from friendship. Further, when a man is not a good leader, he is not necessarily a good follower. Rather, the man judged as a good group member is typically the same man who is judged as capable of leadership.

8624. **Kahn, Robert L. Two kinds of learning and their implications.** *Amer. Mgmt Ass. Personnel Ser.*, 1953, No. 155, 25–29.—This is a follow-up discussion of the demonstration conducted by Zander (see **28**: 8642) on the effects of prestige on the behavior of group members. Four points are emphasized: The effect of status symbols, the effect of the treatment of people on their productivity, the power of the group over the behavior of its members, and the reality of interpersonal forces. The implications of these points for the improvement of supervisory abilities and for the practice of human relations in industry are discussed.—(P. Ash)

8625. **Kolaja, Jiri.** (Cornell U., Ithaca, N.Y.) **A note on the spatial and social pattern of a small discussion group.** *J. educ. Sociol.*, 1954, **27**, 222–225.—Spatial pattern of a small semi-informal interviewing group is less important than its social pattern. The latter is characterized by a tendency to ask questions. In general the participants within the discussion group represent two types of participation: (1) Those who tend to ask or give opinions for the asking itself, caring less for the content; and (2) those who ask when their interests are aroused. The first are the group-minded persons, the second content-minded persons. Content has to be communicated within a certain group-minded self.—(S. M. Amatora)

8626. **Parsons, Talcott. Essays in sociological theory.** (2nd ed.) Glencoe, Ill.: Free Press, 1954. 459 p. $6.00.—Three papers included in the first edition (see **23**: 3155) are omitted and eight new essays are included. The collection comprises a systematic sociological theory. The arrangement of the 19 essays is by date of first appearance between 1938 and 1953. 63-item personal bibliography.—(C. M. Louttit)

8627. **Rockwell, Anne Frogue. The evaluation of six social learning need constructs.** In *Ohio State Univ., Abstracts of dissertations... 1950–51*, 1954, No. 65, 281–282.—Abstract of Ph.D. thesis.

8628. **Rubin-Rabson, Grace.** (1001 E. Rudisill Blvd, Fort Wayne, Ind.) **Several correlates of a conservatism-liberalism attitudes scale.** *J. soc. Psychol.*, 1954, **39**, 47–55.—"For 69 adults... the relations of several variables and liberal-conservative attitude as measured by Hunter's Test of Social Attitudes" showed the group to be "conservative except for what seems to be a striking liberalism in attitude toward the Negro. No reason for the racial liberalism could be found in the conservative attitude toward religion expressed by the group. The sub-tests... revealed little inner consistency and the question is relevant whether the test as a whole can be said to measure a general attitude of liberalism-conservatism."—(J. C. Franklin)

8629. **Schaffler, T. R.** (State Teachers' Coll., Mankato, Minn.) **A formula for the process of socialization.** *J. educ. Sociol.*, 1953, **27**, 60–67.—The formula presented for the process of socialization includes (1) organic heritage, (2) cultural heritage, (3) social groups, (4) unique experiences, and (5) tentative social personality or human nature, both normal and abnormal. The organism acts upon a stage set for it by society. By its social heritage it is stimulated to behave and its pattern of action is influenced

by the social groups in which it participates. As it begins to exert its own ego, it enters upon the secondary stage of self-control. Even here it is not free from the impact and conditioning of social forces. —(S. M. Amatora)

8630. **Schiff, Herbert. Personality correlates of judgmental response sets in the perception of sociometric status.** *Dissertation Abstr.*, 1953, **13**, 1287–1288.—Abstract of Ph.D. thesis, 1953, U. Illinois.

8631. **Skeath, James Milton. Social maladjustment as a discrepancy between social needs and social activities.** In *Pennsylvania State College, Abstracts of dissertations... 1952*, 1953, **15**, 562–565.—Abstract of Ph.D. thesis.

8632. **Smith, George Horsley.** (Rutgers U., Newark 2, N.J.) **Personality scores and the personal distance effect.** *J. soc. Psychol.*, 1954, **39**, 57–62.—Using the projection of facial photographs this experiment required 23 male students to adjust "pleasant" and "unpleasant" faces at the place (closer or further away) of self comfort in relation to them. The Bell Social Scale and the Knutson Inventory were administered to each subject after setting the photographs. "The data suggest a tendency for the men who set the projected faces 'closer' to themselves to earn more favorable personality scores than the men who made smaller settings." In several instances the differences in personality scores "were significant and illustrate the continuous pressure of inner securities and adjustmental tendencies on the sort of personal distances which one spontaneously establishes between himself and others."—(J. C. Franklin)

8633. **Spiro, Melford E. Human nature in its psychological dimensions.** *Amer. Anthrop.*, 1954, **56**, 19–30.—Psychology recognizes the common nature of man but has failed to make qualitative distinction between the behavior of humans and infrahumans. Anthropology adequately distinguishes between man and infrahuman animals but questions if there are behavior characteristics which are universal among humans. It is pointed out that in spite of intercultural differences it is possible to "abstract a universal culture pattern," and that the possibility of establishing such a pattern presupposes a universal human nature. The author discusses needs, values, ego processes, and defense mechanisms which he holds to be the universal "psychological prerequisites for the functioning of cultures."—(W. E. Galt)

8634. **Tarachow, Sidney.** (Hillside Hosp., New York.) **Applied psychoanalysis. I. Anthropology.** *Annu. Surv. Psychoanal.*, 1952, **1**, 298–312.—... "while the anthropological literature for 1950 contains a restatement and validation of basic psychoanalytic principles... there are also a number of studies indicating that anthropological research is capable of testing and modifying certain well-known, accepted psychoanalytic concepts." For example, the universality of the latency period was questioned, and the usual theories of circumcision contested.—(F. Costin)

8635. **Tarachow, Sidney.** (Hillside Hosp., New York.) **Applied psychoanalysis. II. Religion.** *Annu. Surv. Psychoanal.*, 1952, **1**, 312–317.—"Studies in religion during 1950 included papers dealing both with the patriarchial concept of God as well as anthropological verification of the preoedipal, phallic, Great Mother Goddess. A number of other studies dealt with scattered subjects, children's holidays, and medieval Christian legends. The approach to the latter problems was by means of the usual psychoanalytic theories dealing with the oedipus complex and various magical means of dealing with the fear of the dead. ...In this section, as in that on 'Anthropology,' additions and amendments to Freud's conceptions of religious problems are made."—(F. Costin)

8636. **Tarachow, Sidney.** (Hillside Hosp., New York.) **Applied psychoanalysis. III. Mythology.** *Annu. Surv. Psychoanal.*, 1952, **1**, 317–321.—"The myth studies in the papers of this section deal largely with problems of the preoedipal mother. This indicates an expanding area of psychoanalytic interest...."—(F. Costin)

8637. **Tarachow, Sidney.** (Hillside Hosp., New York.) **Applied psychoanalysis. IV. Folk tales and folkways.** *Annu. Surv. Psychoanal.*, 1952, **1**, 321–325.—Articles reviewed here analyze folklore and folkways primarily in terms of the oedipal complex as well as preoedipal factors.—(F. Costin)

8638. **Uribe Villegas, Oscar. Marco y dinámica sociopatológica del vicariato.** (Frame and sociopathologic dynamics of the vicarship.) *Rev. mex. Sociol.*, 1953, **15**, 375–389.—The importance is shown of the acceptance of a term like "vicarship" to indicate the substitution of one individual by another of the same society. In good measure, the sociopathological study and social therapy depend upon the existence or absence of such term. The different types of vicarship are given, and also their implications for the understanding and cure of social evils. —(E. Sánchez-Hidalgo)

8639. **Weisser, Gerhard. Zur Erkenntniskritik des Urteils über den Wert sozialer Gebilde und Prozesse; Weiterführung der "Werturteilsdebatte."** (Philosophical criteria for judgments on the value of social groups and processes; a continuation of the discussion on "value-judgements.") *Köl. Z. Sociol.*, 1953/54, **6**, 16–30.—Today an urgent need is felt in the social sciences to develop criteria for the formation of basic value judgements. The methods of the empirical sciences alone are not sufficient for this task, only through philosophical reasoning can valid results be obtained. With reference to the author's earlier works and on the logical method employed by Leonard Nelson, a number of theses are submitted which should be useful for the construction of a normative sociology. —(M. Haas)

8640. **Westie, Frank Robert. Status differentials and social distance: a study of categorical thinking.** In *Ohio State Univ., Abstracts of dissertations...*

1950-51, 1954, No. 65, 563-564.—Abstract of Ph.D. thesis.

8641. **Wilson, Carl Leon. An experimental study of selected correlates of emergent leadership during problem-solving discussion.** In *Pennsylvania State Univ., Abstracts of dissertations... 1953*, 1954, **16**, 624-629.—Abstract of Ed.D. thesis.

8642. **Zander, Alvin.** (U. Michigan, Ann Arbor.) **The effects of prestige on the behavior of group members: an audience demonstration.** *Amer. Mgmt Ass. Personnel Ser.*, 1953, No. 155, 22-25.—To each of several groups, two "newcomers" were introduced. One was assigned a "high" prestige role, the other a "low" prestige role. The low prestige newcomer tended to feel unhappy and unwanted, while the high prestige newcomer was made to feel comfortable and accepted. "...a person's feelings can be strongly influenced by the nature of the behavior employed by persons around him and...[this] behavior... may be determined by such factors as the power or prestige attributed to other."—(P. Ash)

METHODS & MEASUREMENTS

8643. **Beldo, Leslie Allen. A multiple classification study of phrasing attitude statements.** *Dissertation Abstr.*, 1953, **13**, 1246.—Abstract of Ph.D. thesis, 1953, U. Minnesota.

8644. **Blizzard, Samuel W.** (Pennsylvania State Coll., State College.) **Research on the rural-urban fringe: a case study.** *Sociol. soc. Res.*, 1954, **38**, 143-149.—Two foci emerge in the current problems in urban-rural research: conceptualization and delineation. Studies have used a variety of approaches to the solution of these problems. The article discusses the way in which these problems are approached in the study of a small city rural-urban fringe and to summarize some demographic and socio-economic data as descriptive case study of a small city fringe population. It was assumed that such an area contains a population grouping and has evolved a social organization related both to urban life and to rural, but which have distinctive sociological features.—(S. M. Amatora)

8645. **Bradley, Joseph E. Survey bias as a function of respondent-interviewer interaction.** In *Pennsylvania State Univ., Abstracts of dissertations... 1953*, 1954, **16**, 530-535.—Abstract of Ph.D. thesis.

8646. **Carper, James** (U. Illinois, Urbana.), **& Doob, Leonard W. Intervening responses between questions and answers in attitude surveys.** *Publ. Opin. Quart.*, 1953-54, **17**, 511-519.—This study was designed to test the effect upon overt responses (extent of agreement) to six attitude items of three independent variables: (1) asking the subjects to write their reasons for agreement or disagreement (these reasons are considered "intervening responses"); presenting the statements in increasing versus decreasing order of acceptability; and giving the subjects a brief communication which maintained either that "consistency is a virtue" or that "inconsistency is a virtue." The 120 student subjects were assigned to the 12 groups demanded by the design. Results are analyzed in terms of the effect of the independent variables on overt responses, and upon the intervening responses, and patterning effects.—(H. W. Riecken)

8647. **Dotson, Floyd.** (U. Connecticut, Storrs.) **Intensive interviewing in community research.** *J. educ. Sociol.*, 1954, **27**, 225-230.—The interview plays a unique role in sociological research. The fact is that the problems of intensive interviewing in the community have been almost if not entirely by-passed in the literature. Those discussions assume a poll or a survey type project. The author proceeds to show how intensive interviews for community research differ from the poll-type used in most discussions of interviewing problems and techniques.—(S. M. Amatora)

8648. **Dushkind, Donald S. Physical, psychological, cultural, and social forces affecting sociological research.** *J. educ. Sociol.*, 1953, **27**, 80-90.—Science is merely a more systematized learning than non-science. It never determines absolute truth. It only brings human beings closer to the truth. The research of a sociologist is affected by his physical and personality traits, the attitudes of the culture within which he lives, and the fallacies and the limitations as imposed by the society within which he lives. The sociologist is extremely limited in the types of research techniques he may use. Listed are some historical techniques, comparative techniques, and experimental techniques. A number of impediments to integration of research among sociologists are discussed. —(S. M. Amatora)

8649. **Elmer, Manuel C.** (U. Pittsburgh, Pa.) **First steps in social research. Los primeros pasos en el resúmen social.** Pittsburgh, Pa.: Author, 1954. vii, 133 p.—"The purpose of this book is to present selected aspects of social research which, after many years of teaching and directing research, were found to be necessary to start a project.... The book is presented in English and Spanish since the writer has found a need for an understanding of research among English and Spanish speaking students."—(E. Sánchez-Hidalgo)

8650. **Giles, H. Harry.** (New York U.) **Conflict episode analysis—a tool for education in social technology.** *J. educ. Sociol.*, 1953, **26**, 418-433.—After discussing the nature and significance of conflict analysis, the author gives the history of the origin and first year's development of a tool in human relation studies, namely, conflict episode analysis, from its inception at New York University in 1945 to the present time. The technique is essentially a fixed outline applied to the analysis of social conflicts of all kinds. It is based on a statement of democratic social purposes, from which are derived criteria for establishing the values and functions of the analysis. The author states that to date, the conflict episode analysis has been used almost entirely as a training device in graduate education for specialists in human relation studies.—(S. M. Amatora)

8651. **Greenberg, Arthur L. Argumentive role playing: a new projective technique for use in survey research.** In *Pennsylvania State Univ., Abstracts of dissertations... 1953*, 1954, **16**, 548-551.—Abstract of Ph.D. thesis.

8652. **Hofstaetter, Peter R.** (Catholic U., Washington, D.C.) **Note on factor analysis of American culture: a rejoinder.** *J. soc. Psychol.*, 1954, **39**, 143-145.—The 11 points raised by Dr. Hsü (see **28**: 5921) are taken up by the author who concludes that "Dr. Hsü's criticism lacks justification and, even more, constructiveness. I am fully prepared to agree with Dr. Hsü upon the fact that the results of factor analyses in relatively new areas are always tentative. But that is a truism."—(J. C. Franklin)

8653. **Katona, George. Survey research in Germany.** *Publ. Opin. Quart.*, 1953-54, **17**, 471-480.—This descriptive report of the types of sample interview surveys recently carried out in Germany cites specific studies and results, identifies the principal agencies using the method, and indicates the extent to which social scientists are utilizing survey technique on political and economic problems.—(H. W. Riecken)

8654. **Libo, Lester M. Measuring group cohesiveness.** Ann Arbor: University of Michigan, Research Center for Group Dynamics, Institute for Social Research, 1953. ix, 111 p. $2.00.—Concepts of cohesiveness and attraction-to-group are discussed followed by an experimental study of such attraction. A locomotion measure is developed as a behavioral criterion for validation of an attraction questionnaire, a group-projective technique, and the effects of experimental manipulations. 3 sources of attraction-to-group are varied: "valence of the group members, valence of the activity that the group mediates, and valence of the group as a prestigeful organization." A detailed description of the group-projective technique, the Group-Picture-Impressions, is presented as well as a manual for its administration and a review of several further miscellaneous exploratory studies. 32 references.—(J. A. Barlow)

8655. **Remmers, H. H. Introduction to opinion and attitude measurement.** New York: Harper and Bros., 1954. viii, 437 p. $5.00.—Part I describes methods of measuring opinions and attitudes. It includes a review of sampling methods and statistics; discussions of validity, reliability, and the organization and execution of a poll. The measurement methods described are the various scaling techniques, the single question, the summated questionnaire, and lists direct measures of attitudes, e.g. projective techniques, sociometry and rating scales. Part II describes the role of attitudes, and the development and use of measurement techniques in each of a number of fields. Chapters are devoted to business, government, industry, community inter-relations and education. Bibliography and study questions accompany each chapter.—(D. R. Krathwohl)

(See also abstract 9098)

CULTURES & CULTURAL RELATIONS

8656. **Appelmans, M., Weyts, J., & Vankan, J. Enquête sur les anomalies de la perception des couleurs chez les indigènes du Congo belge.** (Colour vision anomalies in natives of the Belgian Congo.) *Bull. Soc. belge Ophtal.*, 1953, No. 103, 226-231. —(See *Ophthal. Lit.*, 1953, **7**(3), abs. 1217.)

8657. **Francis, E. K. Einige Grundbegriffe zu einer Theorie der ethnischen Gebilde.** (Some fundamental concepts for a theory of ethnic groups.) *Köl. Z. Sociol.*, 1953/54, **6**, 91-103.—It is the aim of this article to contribute to the formation of concepts more suitable for the scientific study and the theoretical study of ethnological phenomena than those commonly used in general sociology. For this purpose the "ethnic group" should be considered as a sub-group of the "collective group" (the organized group); it also must be distinguished from the "psychological group." The constitutive norms of the collective group regulate also the behavior of its ethnical groups. Definitions are given for the concepts of people, community, locality group, state, nation and national state; their relations to the ethnical groups are explained. Finally the meaning of culture and the conditions that lead to acculturation and assimilation are discussed.—(M. Haas)

8658. **Green, T. L. Individual response to cultural determinants.** *J. educ. Sociol.*, 1953, **26**, 392-399. —After discussing the teaching and learning situation in the East and some of the historical determinants thereof, the author gives the results of tests administered to 100 first- and second-year training college students, to 100 university graduates, and to 151 technical college students. These he compares with U.S.A. norms. He concludes: (1) manual skill among Ceylonese boys is high; (2) general levels of intelligence are comparable with those elsewhere; (3) intellectual abilities are sharply differentiated into verbal and non-language skills, the former being much better developed; and (4) abilities in the field of spatial perception as measured by tests and among technical and non-technical students are low.—(S. M. Amatora)

8659. **Hammer, Emanuel F. Comparison of the performances of Negro children and adolescents on two tests of intelligence, one an emergency scale.** *J. genet. Psychol.*, 1954, **84**, 85-93.—"The California Test of Mental Maturity and H-T-P were administered to 207 students at (a)... Negro School, a representative semi-urban, semi-rural school in Virginia. The Time Appreciation Test, an emergency intelligence scale, was administered to all students 10 years of age or above." The author concludes the base line IQ should be 75. He considers it likely that there is greater emotional maladjustment of the Negro subjects in comparison with white subjects.—(Z. Luria)

8660. **Hiernaux, J., & van der Borght, H. La fréquence de daltonisme chez les Batutsi et Bahutu du Ruanda-Urundi.** (The frequency of colour-blindness among the Batutsi and the Bahutu of Ruanda-Urundi

(Belgian Congo).) *Ann. Soc. belge Méd. trop.*, 1953, **33**, 43-46.—(See *Ophthal. Lit.*, 1953, **7** (3), abs. 1216.)

8661. **Howard, James H. The Dakota heyóka cult.** *Sci. Mon., N. Y.*, 1954, **78**, 254-258.—This is a description of the ceremony of the cult which is made up of individuals, who because they have seen the thunder god in a vision, must assume the role of antinatural clowns, wear long-nosed masks and ragged clothing and do everything in opposite-of-normal manner on certain occasions to avoid being struck by lightning, its present status, and its relation to the widespread "contrary" cults of the Plains. —(A. J. Sprow)

8662. **Straus, Murray A.** (U. Wisconsin, Madison.) **Subcultural variation in Ceylonese mental ability: a study in national character.** *J. soc. Psychol.*, 1954, **39**, 129-141.—"Sixteen subcultural groups within the University of Ceylon... were studied to determine whether or not they conform to a specific pattern of mental ability: high verbal and low non-verbal test performance. None of the subcultural groups... showed a significant deviation" and the hypothesis that "subcultural differences in personality are of equal or greater importance than differences between major cultures was not supported" for all groups showed the "tendency to excell in verbal as compared with non-verbal test performance." 20 references. —(J. C. Franklin)

(See also abstract 9103)

Social Institutions

8663. **Ackerman, Nathan W.** (Columbia U., New York.) **The diagnosis of neurotic marital interaction.** *Social Casewk*, 1954, **35**, 139-147.—Concerned with means of evaluating mental health of marital relationships, this paper emphasizes the search for appropriate criteria for the psychosocial diagnosis of neurotic marital relationships. The author discusses salient factors in marital disturbances, and outlines criteria for evaluating marital interaction. On this basis he describes "a model" for a healthy marital relationship.—(L. B. Costin)

8664. **Allais, M. Le comportement de l'homme rationnel devant le risque: Critique des postulats et axiomes de l'ecole Americaine.** (Rational man's behavior in the presence of risk: critique of the postulates and axioms of the American school.) *Econometrica*, 1953, **21**, 503-546.—The economic concept of utility can be operationally defined by the method of equal sense distances or of just noticeable differences. Theories of risky choices must take into account differences between objective and subjective values of money and of probability, and the mean and variance and other moments of the distribution of subjective values. Observation of men who are considered rational by public opinion shows that they violate traditional economic concepts of rationality. —(W. Edwards)

8665. **Bayliff, Russell Everett. Factors associated with marital adjustment among industrial workers.** In *Ohio State Univ., Abstracts of dissertations... 1950-51*, 1954, No. 65, 27-32.—Abstract of Ph.D. thesis.

8666. **Ehrenfels, U. R. Matrilineal family background in South India.** *J. educ. Sociol.*, 1953, **26**, 356-361.—The family structure in south India is based at least in part on matrilineal inheritance and succession. Particular attitudes are fostered in joint families and form a distinct background for character formation of the individual. The author discusses the more important features of the psychological trend favored in the matrilineal setting. The points of difference in the matrilineal family are contrasted with those in the patrilineal family patterns.—(S. M. Amatora)

8667. **Gist, Noel P.** (U. Missouri, Columbia.) **Mate selection and mass communication in India.** *Publ. Opin. Quart.*, 1953-54, **17**, 481-495.—A content analysis of 400 matrimonial advertisements in four leading English-language newspapers (in Delhi, Bombay and Madras) suggests that urbanization is being accompanied by changes in the traditional family system in India. The pattern of parentally-arranged marriages may be giving way to individual selection. Contents of the advertisements are analyzed in the following categories: caste, age, religion, education, family status, occupation, income and property, physical traits, and other personal traits of the advertiser and the person sought.—(H. W. Riecken)

8668. **Gladwin, Thomas, & Sarason, Seymour B. Truk: man in paradise.** New York: Wenner-Gren Foundation, 1953. 655 p. $6.50. (*Viking Fund Publ. Anthropol.*, No. 20.)—"The basic objective of the study was to explore the process of personality development in... Truk or, more exactly, Romonum." Gladwin reports ethnological data from field studies made during 7 months in 1947. Sarason scored and interpreted Rorschach and TAT tests given to 23 selected Trukese. The life of the island is described in detail including care of children, adolescence, sex and marriage, and adulthood. Trukese personality is described from the test records and then related to the ethnological findings. The Trukese infant and child are dependent on parents whose demands are inconsistent, with a resulting development of conformist conflict-avoiding behavior which characterizes the behavior of adults. Detailed projective test records and interpretations, and life histories of the 23 subjects are given. Sarason discusses methodological problems of projective tests and their field use in anthropology.—(C. M. Louttit)

8669. **Hyman, Herbert H., & Sheatsley, Paul B. The political appeal of President Eisenhower.** *Publ. Opin. Quart.*, 1953-54, **17**, 443-460.—Analysis of poll data collected in 1947 and 1948 suggests that Eisenhower's personal popularity and reputation as an administrator were more important factors in his election than the "issues of Communism, corruption and Korea." The relative importance of personal popularity, ideological issues, voter sophistication about

politics, and regular party affiliation are assessed, and the degree to which Eisenhower's ideological ambiguity allowed voters of varying beliefs to identify with him is stressed.—(H. W. Riecken)

8670. **Kephart, William M.** (U. Pennsylvania, Philadelphia.) **Drinking and marital disruption; a research note.** *Quart. J. Stud. Alcohol*, 1954, **15**, 63-73.—Analysis of Philadelphia divorce court records shows that excessive drinking was an important factor in about 25% of all cases. Drinking patterns vary with social factors in the families.—(W. L. Wilkins)

8671. **Kiser, Clyde V. The Indianapolis fertility study—an example of planned observational research.** *Publ. Opin. Quart.*, 1953-54, **17**, 496-510.—The author describes in some detail the aims, scope and methods of the Study of Social and Psychological Factors Affecting Fertility which was conducted in Indianapolis under the sponsorship of the Milbank Memorial Fund. Most of the data were collected in 1941-42 by interview and questionnaire from an initial sample of 1080 "relatively fecund" and "relatively sterile" couples who had been married between 1927 and 1929, and met certain other criteria. The technique of weighting to correct for unrepresentativeness is described, as are other facets of data analysis. A number of outstanding findings of the study are summarized, especially those having to do with economic factors. The article concludes with a discussion of the limitations of the study and its implications for future research.—(H. W. Riecken)

8672. **March, James G.** (Carnegie Inst. Technology, Pittsburgh, Pa.) **Husband-and-wife interaction over political issues.** *Publ. Opin. Quart.*, 1953-54, **17**, 461-470.—8 married couples, in each of which the wife was a member of the League of Women Voters, were given 12 problems of public policy (local, foreign and labor) to consider. Husband and wife separately chose among alternative solutions, then were asked to discuss each problem and arrive at a joint decision. This discussion was scored in Bales' interaction categories to determine differences in influence exerted and in amount of contribution by policy area. Results substantiate theoretical predictions about sex-specialization by policy area.—(H. W. Riecken)

8673. **Martinson, Floyd M. Some personality adjustment differences of rural nonmigrants and migrants.** *Dissertation Abstr.*, 1953, **13**, 1291.—Abstract of Ph.D. thesis, 1953, U. Minnesota.

8674. **Michigan. University. Detroit Area Study. A social profile of Detroit: 1952.** Ann Arbor, Mich.: Author, 1952. ix, 42 p. $1.00.—"This report is a first step in a plan to depict the social characteristics of the Detroit Area by the methods of modern social science.... It is a general description of some characteristics of the Detroit Area population on the basis of preliminary findings of the first survey conducted by the Detroit Area Study." Following a general description of the Study, the report is presented as a series of questions with the answers provided by the survey.—(A. J. Sprow)

8675. **Michigan. University. Detroit Area Study. A social profile of Detroit: 1953.** Ann Arbor, Mich.: Author, 1953. vii, 35 p. $1.00.—"This report is the second [see **28**: 8674] in a planned annual series aiming to depict the social characteristics of the Detroit Area by methods of modern social science." The first chapter serves as an introduction; the following chapters present some of the early findings of the 1953 study.—(A. J. Sprow)

8676. **Parmer, Charles Harrison. The relation between scores on the McHugh Inventory and self-ratings of marital satisfaction.** In *Pennsylvania State Univ., Abstracts of dissertations... 1953*, 1954, **16**, 596-600.—Abstract of Ph.D. thesis.

8677. **Roper, Elmo. American attitudes on world organization.** *Publ. Opin. Quart.*, 1953-54, **17**, 405-442.—This report of a survey of 3502 U.S. adults, conducted in September, 1953, analyzes the distribution of opinions on likelihood of war, foreign policy, and type of world organization most likely to bring peace. Detailed discussion of six major positions, ranging from isolationism to world government, considers also the reasons offered by respondents for their position and the action they have taken.—(H. W. Riecken)

8678. **Sorokin, Pitirim A. Estratificación política.** (Political stratification.) *Rev. mex. Sociol.*, 1953, **15**, 415-447.—The altitude of the profile of economic stratification fluctuates from one country to another and from one period to another. In these fluctuations there does not seem to exist a definite, perpetual tendency. There is no perpetual tendency from monarchy to republic, from autocracy to democracy, from government by the minority to government by the majority, etc. Among the diverse forces which facilitate political stratification, the increase in size of the political organism and the heterogeneity of its population represent the most important functions. The profile of political stratification is more flexible than the profile of economic stratification.—(E. Sánchez-Hidalgo)

8679. **Vicroy, Frank Marion. Mate selection and rental differentials.** In *Ohio State Univ., Abstracts of dissertations... 1950-51*, 1954, No. 65, 555-557.—Abstract of Ph.D. thesis.

8680. **Wurzbacher, Gerhard. Soziale Diffrenzierung und Integration; zur Leitstudie des Unesco-Institutes für Sozialwissenschaften in Köln über eine ländliche Gemeinde in der Westdeutschen Bundesrepublik.** (Social differentiation and integration; referring to the study-guide of the Unesco Institute for social sciences in Köln on a rural community in the West German Republic.) *Köl. Z. Sociol.*, 1953/54, **6**, 31-41.—Processes of differentiation are creating ever new varieties of social structures and of new social inequalities; thus they are eventually bringing about a change of social institutions. Through processes of integration the units of a social system are led to cooperation; they have a stabilizing effect. The study deals with a rural community of 5000 inhabitants which can be considered as representative for many other

rural communities. The article gives particulars of those parts of the research which pertain to the institutions of the family, the political parties and the associations formed to further leisure time interests. —(M. Haas)

(See also abstracts 8307, 8693)

LANGUAGE & COMMUNICATION

8681. **Bresson, F. Langage et communications.** (Language and communication.) *Année psychol.*, 1953, **53**, 477–502.—Communication is said to be the discriminating response of an organism to a stimulus. The topics treated are language and other ways of communication, the influence of the frequency of utilization of words, problems of verbal communication, and the problem of factor meaning. Reference is made to various investigations, with the conclusion that it is difficult to approach linguistic problems as real entities. 52 references.—(G. E. Bird)

8682. **Ford, Joseph B.** (Los Angeles (Calif.) State Coll.) **The primary group in mass communication.** *Sociol. soc. Res.*, 1954, **38**, 152–158.—Literature on mass communication, public opinion, and propaganda contain little coverage on communication in real, interacting groups, especially primary groups. The focus has been on the masses, publics, and other largely nominal plurals. In such the basic realities of human communication have been slighted. Classified in 4 groups, the author discusses the studies in which the real group and especially the primary group communication is given in its relationship to mass communication: (1) Small group studies, (2) rumor studies, (3) general and lay writers, and (4) texts.—(S. M. Amatora)

8683. **Hites, Robert William. The relation of readability and format to retention in communication.** In *Ohio State Univ., Abstracts of dissertations... 1950–51*, 1954, No. 65, 109–115.—Abstract of Ph.D. thesis.

8684. **McIntyre, Charles J. Sex, age and iconicity as factors influencing projection onto motion picture protagonists.** In *Pennsylvania State Univ., Abstracts of dissertations... 1953*, 1954, **16**, 565–570.—Abstract of Ph.D. thesis.

8685. **Murray, Charles Merrill. A survey of the attitudes and opinions toward television of a selected group of elementary school educators.** *Indiana Univ. Stud. Educ., Thesis Abstr. Ser.*, 1954, No. 5, 155–159.—Abstract of Ed.D. thesis.

8686. **Noble, Clyde E.** (Louisiana State U., Baton Rouge.) **The familiarity-frequency relationship.** *J. exp. Psychol.*, 1954, **47**, 13–16.—In an attempt to determine the exact form of the relationship between judged familiarity of verbal stimuli and their objective frequency of occurrence, 16 words low in familiarity were presented to 10 groups at 10 different frequencies. Ss then evaluated the familiarity of each word on a five-point scale and a hyperbolic function was found to exist when familiarity values were plotted as a function of frequency.—(J. Arbit)

8687. **Postman, Leo, & Conger, Beverly.** (U. California, Berkeley.) **Verbal habits and the visual recognition of words.** *Science*, 1954, **119**, 671–673. —From the determination of recognition thresholds for 27 three-letter English words and 27 three-letter nonsense syllables, the authors conclude "the speed of recognition for letter sequences varies significantly with the strength of the verbal habits associated with such stimuli."—(A. J. Sprow)

8688. **Pratt, Lloyd Edward. The experimental evaluation of a program for the improvement of listening in the elementary school.** *Dissertation Abstr.*, 1953, **13**, 1118–1119.—Abstract of Ph.D. thesis, 1953, State U. Iowa.

8689. **Roby, Thornton B., & Forgays, Donald G.** (Randolph Air Force Base, San Antonio, Tex.) **A problem-solving model for analysis of communication in B-29 crews.** *USAF Hum. Resour. Res. Cent. Res. Bull.*, 1953, No. 53-30, iii, 19 p.—"An eclectic model dealing with the relationship between communication and group behavior was presented together with some hypotheses on group efficiency. An attempt was made to show how to surmount initial difficulties in the application of this model to the measurement situation for which it was designed, i.e., interphone communication of B-29 crews in training. Finally, a brief discussion was appended relative to the major directions which subsequent work on the model are expected to follow: empirical validation, logical formalization, and generalization of scope."—(W. F. Grether)

8690. **Tannenbaum, Percy Hyman. Attitudes toward source and concept as factors in attitude change through communications.** *Dissertation Abstr.*, 1953, **13**, 1288.—Abstract of Ph.D. thesis, 1953, U. Illinois.

8691. **Ullmann, Stephen.** (U. Glasgow, Scotland.) **Descriptive semantics and linguistic typology.** *Word*, 1953, **9**, 225–240.—A method is proposed for studying the semantic structure of the vocabulary of a given language. English, French, and German vocabularies are compared with respect to 7 criteria: (1) motivation in word derivation; (2) particular vs. generic terms; (3) devices for expressing emotive overtones; (4) synonymy; (5) polysemy; (6) homonymy; (7) semantic autonomy. The explanation of the semantic typology of a language leads to historical considerations. —(J. B. Carroll)

(See also abstracts 8403, 8667, 8803)

CLINICAL PSYCHOLOGY, GUIDANCE, COUNSELING

8692. **American Psychological Association, American Educational Research Association, and National Council on Measurements Used in Education. Joint Committee. Technical recommendations for psychological tests and diagnostic techniques.** *Psychol. Bull.*, 1954, **51**, 201–238.—In order to make sound and practical judgments about the usefulness and interpretation of psychological tests and diagnostic

techniques, the qualified test consumer should be provided with manuals that describe and report adequately the tests and techniques to which they are addressed. Grouped in three levels (essential, very desirable, and desirable), the recommendations encompass Dissemination of Information, Interpretation, Validity, Reliability, Administration and Scoring, and Scales and Norms.—(R. Perloff)

8693. **Boas, Conrad Van Emde. The necessity of group therapy in marriage guidance clinics.** *Int. J. Sexol.*, 1953, **7**, 79–80.—Abstract.

8694. **Feldman, Sandor S.** (U. Rochester, N. Y.), **& Piers, Gerhart. Clinical studies: syndromes and symptomatology.** *Annu. Surv. Psychoanal.*, 1952, **1**, 143–178.—The trend in the clinical aspects of psychoanalysis is toward the explanation of psychological processes and away from classification of behavior. Thus, the categories "syndromes" and "symptomatalogy" are becoming "anachronistic" in the light of present day psychoanalytic thought. Some psychoanalytic articles which appeared in 1950, however, did deal with "isolated specific symptoms," while others had to do with larger segments of behavior comprised in clinical syndromes. The clinical studies reviewed in this chapter are categorized into the following areas: psychoses, neuroses, and perversions.—(F. Costin)

8695. **Hopple, Lynwood M., & Huessy, Hans R.** (U. Colo. Sch. Med., Denver.) **Traveling community-mental-health clinics: their extra-therapeutic aspects and functions.** *Ment. Hyg., N. Y.*, 1954, **38**, 49–59.—The extra-therapeutic functions and responsibilities of a traveling community mental hygiene clinic include consultation, clinic-community relationships, in-service training, community education and community planning. The first responsibility is "to offer help to the community in meeting its mental health needs." The development of local health resources by strengthening existing programs and helping to develop new ones is also a function.—(M. A. Seidenfeld)

8696. **Levy, Leon H.** (Ohio State U., Columbus.) **Sexual symbolism: a validity study.** *J. consult. Psychol.*, 1954, **18**, 43–46.—The following hypothesis was tested: ..."certain environmental objects by virtue of their structural characteristics may be taken as being symbolic of the male and female genitalia." Subjects were "normal" fifth grade children. The results of the experiment failed to support the hypothesis, and were interpreted "as evidence against the existence of a universal sexual symbolism."—(F. Costin)

8697. **May, Rollo. A psychologist looks at mental health in today's world.** *Ment. Hyg., N. Y.*, 1954, **38**, 1–11.—Operating on the hypothesis that those who are maladapted to life are perpetual "aliens in their world," May endeavors to point out that "Building mental health, therefore, means overcoming this alienation from ourselves." It is not, however, considered sufficient merely to overcome self-alienation, it is equally important that we develop tolerance for unavoidable conflict and anxiety which are always a part of our lives. Furthermore, the maintenance of a sense of being a part of the community of our fellow-humanity is also a matter of great consequence in assuring ourselves of good mental health. The author feels that the attainment of such goals can only be reached through the cooperative efforts of lay workers and of professional workers specifically concerned with mental hygiene.—(M. A. Seidenfeld)

8698. **Mikesell, William Henry. Techniques of living or the psychology of adjustment.** Harrisburg, Pa.: Stackpole Co., 1953. 338 p. $3.95.—Part I deals with an analysis of frustration, showing its various characteristics. A distinction is made between "frustration" as an isolated defeative reaction and "maladjustment" as a total personality defeat. Part II concerns defense mechanisms as attempts at dealing with frustration. Part III, remedies for unjustified defense mechanisms, suggests the use of techniques of "direct living" instead of the roundabout defensive reaction. 29 references.—(N. H. Pronko)

8699. **Miller, Alan D.** (National Institute of Mental Health, College Park, Md.) **The institute of interpersonal relationships in public health: an evaluation.** *Ment. Hyg., N. Y.*, 1954, **38**, 85–106.—A study of the responses on a specially designed questionnaire aimed at the evaluation of a public health institute on interpersonal relationships.—(M. A. Seidenfeld)

8700. **Norman, Ralph D.** (U. New Mexico, Albuquerque.), **& Ainsworth, Patricia. The relationships among projection, empathy, reality and adjustment, operationally defined.** *J. consult. Psychol.*, 1954, **18**, 53–58.—Two hypotheses were tested: (1) Projection is negatively related to both reality and empathy, but the latter two are positively related to each other; (2) reality and empathy correlate more closely with adjustment than projection does. Using a personality questionnaire (GAMIN), both hypotheses were verified. 16 references.—(F. Costin)

8701. **Overstreet, Harry, & Overstreet, Bonaro. The mind alive.** New York: W. W. Norton, 1954. 333 p. $3.75—The one chief clue to emotional health or illness is the functioning or the nonfunctioning of the restorative powers. The kind of resilience that is the mark of health has at its core something that can best be called "faith" that life in its total range and infinite resources has worth and significance. A human being is a disturbed personality to the extent that his conscious self is a puppet manipulated by his unconscious self. The method of therapy is through "psychiatric talking out" which goes to the very roots of our mental and emotional life. Words are medicine that can make us whole. In a profound sense, the individual is born again.—(L. R. Steiner)

8702. **Pennington, L. A.** (U. Illinois, Urbana), **& Berg, Irwin A. An introduction to clinical psychology.** 2nd ed. New York: Ronald, 1954. vii, 709 p. $6.50.—This revised edition has 25 chapters by 28 authors of which 10 are entirely new. The volume provides "a survey of the clinician at work" and serves "broadly to orient the clinician-in-training and

to provide definite information" for other professional specialists. Each chapter integratively summarizes its subject matter for text-book purposes and includes bibliographies as indicated in parentheses. The chapter titles and authors are: R. B. Cattell, Meaning of clinical psychology (66); E. J. Shoben, Theoretical frames of reference in clinical psychology (74); O. H. Mowrer, What is normal behavior (41); I. A. Berg, Clinical interview and case record (40); A. M. Garner, Intelligence testing and clinical practice (96); R. F. Berdie, Interest and personality measurement (89); H. D. Sargent and E. A. Hirsch, Projective methods (109); B. R. McCandless, Problems of childhood and adolescence (52); W. L. Wilkins, Mental and educational retardation (68); A. Ellis, Psychosexual and marital problems (126); G. Saslow, S. B. Guze, and J. D. Matarazzo, Psychosomatic medicine and the psychologist (65); S. S. Marzolf, Physically handicapped (113); C. Van Riper, Speech disorders (32); G. R. Pascal, Psychoneuroses (37); R. M. Dorcus, Psychoses (32); L. A. Pennington, Psychopathic and criminal behavior (71); R. G. Kuhlen, Psychological trends and problems in later maturity (99); J. G. Watkins, Psychotherapy: and overview (58); F. McKinney, Direct approaches to treatment (76); W. U. Snyder, Client-centered therapy (49); J. H. Pathman and V. Clark, Psychoanalytically oriented therapy (24); H. S. Coffey, Group psychotherapy (36); S. W. Bijou, Therapeutic techniques with children (65); L. A. Pennington, Rehabilitative approaches (62); L. S. Kogan, Research in clinical psychology (55).—(C. M. Louttit)

8703. **Pepinsky, Harold B., & Pepinsky, Pauline Nichols. Counseling theory and practice.** New York: Ronald Press, 1954. viii, 307 p. $4.50.—Meant primarily "as a text for the introductory course in counseling or as a supplementary text in clinical psychology," this work first stresses the importance of theory in counseling. Self theory, the Psychoanalytic viewpoint, and the Neobehavioral approach are then considered and a synthetic approach in terms of reinforcement theory is proposed. From this standpoint, observations and inferences about the client are ordered and are used to set up hypotheses concerning changes in his behavior as they relate to the conditions of counseling. A discussion of the problems and the methodology involved in assessing changes in the client's behavior concludes the book. 334-item bibliography.—(N. H. Pronko)

8704. **Ross, Nathaniel.** (Columbia U., New York.) **Methodology.** *Annu. Surv. Psychoanal.*, 1952, **1**, 53–60.—Extracts of articles discussed in this chapter have to do primarily with "general considerations" of methodological problems; recent developments; critique of classical psychonalytic methods and of deviant schools; psychoanalyis and psychological testing; methodology in applied psychonalysis. The author feels that there did not appear in 1950 any "thoroughgoing exhaustive analysis of psychoanalytic method."—(F. Costin)

METHODOLOGY, TECHNIQUES

8705. **Bills, Robert E.** (U. Kentucky, Lexington.) **Acceptance of self as measured by interviews and the Index of Adjustment and Values.** *J. consult. Psychol.*, 1954, **18**, 22.—"...what a subject says about himself in an interview corresponds highly with the ratings he gives himself on the Index of Adjustment and Values."—(F. Costin)

8706. **Levine, David Laurence. Prediction of the adjustment of children in guardianship care: an application of statistical methodology to social work data.** *Dissertation Abstr.*, 1953, **13**, 1294–1295.—Abstract of Ph.D. thesis, 1953, U. Minnesota.

8707. **McCormick, Kennon Francis. A comparison of immediate and delayed criteria in counseling evaluation.** In *Ohio State Univ., Abstracts of dissertations... 1950–51*, 1954, No. 65, 511–517.—Abstract of Ph.D. thesis.

8708. **Swan, Robert Junior. The application of a couple analysis approach to the Minnesota Multiphasic Personality Inventory in marriage counseling.** *Dissertation Abstr.*, 1953, **13**, 1095–1096.—Abstract of Ph.D. thesis, 1953, U. Minnesota.

(See also abstract 9033)

DIAGNOSIS & EVALUATION

8709. **Allen, Robert M., Manne, Sigmund H., & Stiff, Margaret. Sobre el efecto del color del psicodiagnóstico de Rorschach.** (On the effect of color in the Rorschach test.) *Rev. Neuro-Psiquiat., Lima*, 1952, **15**, 228–238.—"A preliminary investigation on 25 healthy university students was carried out to (1) obtain a realistic method to examine the hypothesis of chromatic shock and (2) establish procedure in future work with subjects with mental changes. Each student was examined alternatively with the Rorschach standard chromatic cards and with a series of especially prepared achromatic cards. The results were: (1) the normal population showed no rejection of either set of chromatic pictures, (2) the subjects which responded well on the colored cards also gave good responses on the achromatic pictures, (3) there has been no significant difference in popular reflexes for cards II, III, VIII, IX, and X of both series, (4) the localization factors W and D are not affected by presence or absence of color."—(R. M. Frumkin)

8710. **Armstrong, Mary Ann Smith.** (U. Minnesota, Minneapolis.) **Children's responses to animal and human figures in thematic pictures.** *J. consult. Psychol.*, 1954, **18**, 67–70.—Responses of children to animal and human thematic pictures show the following characteristics: (1) Protocols increase with the grade level of the child (2) Girls employ more nouns, words, and have a longer reaction time than boys. (3) Human figures evoke more verbalization than animal figures.—(F. Costin)

8711. **Bandura, Albert.** (State U. Iowa, Iowa City.) **The Rorschach white space response and "oppositional" behavior.** *J. consult. Psychol.*, 1954, **18**, 17–

21.—Data obtained from Rorschach tests given to 81 high school students support the following conclusions: (1)...the utilization of the experience type as a differential factor in the interpretation of S (white space) response should be discontinued until evidence for its justification becomes available." (2) The hypothesis that the *S* response reflects oppositional tendencies was partially corroborated. (3) There was no evidence for inferring inadequacy or self-distrust feelings from the *S* response. 16 references. —(F. Costin)

8712. **Beizmann, Cécile. L'emploi des tests, notamment des tests projectifs, en psychiatrie.** (The use of tests, specially projective, in psychiatry.) *Biotypologie*, 1949-1950, **10-11**, 31-36.—In this article the author defends the use of psychological tests in psychiatry, analysing their defects, but pointing out their numerous merits. "One must admit that if the use of tests involves insufficiencies, they are mostly imputable to the uncertainties of psychiatry: it is the serious problem of nosographic frames which are not yet clearly delimited and differ from one school to the other, from one author to the other".—(M. Choynowski)

8713. **Belden, Arvord W.** (U. Wisconsin, Madison.), **& Baughman, E. Earl. The effects of figure-ground contrast upon perception as evaluated by a modified Rorschach technique.** *J. consult. Psychol.*, 1954, **18**, 29-34.—7 figures were designed comparable to Card II of the Rorschach, but differing in varying degrees of figure-ground contrast. All 7 cards were administered to a group of subjects in the standard manner of Rorschach procedure. Conclusions were drawn on the basis of scoring the protocols, these findings being interpreted in terms of "perceptual efficiency." The authors suggest that "perception is most efficient at a point of contrast which falls between the minimum and maximum...a point at which the figure reflects approximately 25% of the light which is reflected by the ground."—(F. Costin)

8714. **Bendig, A. W.** (U. Pittsburgh, Pa.) **Age, sex, and the Manifest Anxiety Test.** *J. consult. Psychol.*, 1954, **18**, 16.—Abstract.

8715. **Bonnardel, R. Le test B. 101.** (Test B. 101) *Travail hum.*, 1953, **16**, 253-266.—The author modified Kohs' cube test, and presents statistics on 17,000 persons of a wide range in age, occupations, ethnic composition, sex, and levels of training.—(R. W. Husband)

8716. **Briggs, Dennie L.** (U. S. Naval Med. Res. Lab., New London, Conn.) **A modification of the Thematic Apperception Test for Naval enlisted personnel (N-TAT).** *J. Psychol.*, 1954, **37**, 233-241.—In searching for suitable techniques for personality assessment in the Naval service, Murray's Thematic Apperception Test (TAT) was selected for use in ferreting out factors at a deeper level than could be obtained in a brief interview. The modified form now in use consists of 10 pictures, especially drawn for the Navy series, seven being adapted from the TAT and three depicting situations peculiar to the Navy. Candidates are asked to write stories about each picture and the stories may then be interpreted according to any number of standard TAT systems. This modified test is being used experimentally as part of the basic psychological battery given to all enlisted candidates for the U. S. Naval Submarine School at New London. —(R. W. Husband)

8717. **Colgin, Russell Weymount. The influence of age and intelligence upon imaginative productions in the projective movement sequences test.** *Dissertation Abstr.*, 1953, **13**, 1270-1271.—Abstract of Ph.D. thesis, 1953, Northwestern U.

8718. **Dempster, J. J. B. Symposium on the effects of coaching and practice in intelligence tests. III. Southampton investigation and procedure.** *Brit. J. educ. Psychol.*, 1954, **24**, 1-4.—Equated groups of 11+ children retested on a Moray House Intelligence Test after a period of 8 weeks devoted to systematic practice on the tests or to coaching and practice showed mean gains in this descending order: coached, practice, and control. Transfer effects to other tests were evident to a minor degree. Subsequent classification testing of a new 11+ group after official coaching alone on tests similar to those used in the classification procedure produced gains somewhat less than the 9 points expected on the basis of the prior investigation. A third procedure of coaching followed by test, further coaching and a final test brought gains approximating the earlier peak of 9.5 for boys and 9.0 for girls. A systematic coaching program is advocated.—(R. C. Strassburger)

8719. **Fry, Franklyn D. A normative study of the reactions manifested by college students, and by state prison inmates in response to the Minnesota Multiphasic Personality Inventory, the Rosenzweig Picture Frustration Study, and the Thematic Apperception Test.** In *Pennsylvania State College, Abstracts of dissertations... 1952*, 1953, **15**, 548-552. —Abstract of Ph.D. thesis.

8720. **Gauchet, F., & Goguelin, P. Réflexions sur le test F de Cattell.** (Thoughts about Cattell's F test.) *Travail hum.*, 1953, **16**, 177-190.—Factor F, found by Cattell's test, is also found in many other tests more easy to correct; too much information enters; and it is not a pure factor, but actually composed of at least two sub-factors.—(R. W. Husband)

8721. **Goguelin, P. Complément a l'étude sur le test F de Cattell.** (Follow-up study on Cattell's F-test.) *Travail hum.*, 1953, **16**, 191-196.—Several items of personal background were collected from 36 pupils in an apprentice training program, and these data are compared with scores on Cattell's F-test. The data were occupations of immediate family members, and interests in sports, cinema, readings, and hobbies. Test scores help analyze the "surgent-desurgent" types, but the author points out all the individual, family, and compensatory mechanisms that inspire a person's interests.—(R. W. Husband)

8722. **Goodstein, Leonard.** (State U. Iowa, Iowa City.) **Interrelationships among several measures of anxiety and hostility.** *J. consult. Psychol.*, 1954, **18**,

35–39.—Selected tests were compared with respect to their ability to measure anxiety and hostility. Some of these tests differed as to the variables which they actually do measure. Tests employed in this study were: Taylor Manifest Anxiety Scale, Elizur Rorschach Content Test of Anxiety, and Iowa Multiple-choice Picture Interpretation Test. 29 references.—(F. Costin)

8723. **Ingram, Winifred.** (Northwestern U., Evanston, Ill.) **Prediction of aggression from the Rorschach.** *J. consult. Psychol.*, 1954, **18**, 23–28.—The purpose of this study was to see whether the white space score on the Rorschach (*S*) as an interpretation of aggression was valid. Conclusions: (1) High *S* subjects were more aggressive in a "participatory, interactive way" in a frustrating interview situation than low *S* subjects. (2) "The high *S* group was no more aggressive than the low *S* group in a situation of intellectual challenge in which social interaction was at a minimum." (3) Judges' impressions of aggression based on total Rorschach record were slightly related to aggression measured experimentally.—(F. Costin)

8724. **Izard, Carroll E.,** (Tulane U., New Orleans, La.), **Rosenberg, Nathan; Bair, John T., & Maag, Clinton. Construction and validation of a multiple-choice sentence completion test: an interim report.** *U. S. Naval Sch. Aviat. Med. Res. Rep.*, 1953, Proj. No. NM 001 077.01.02, 9, x p.—This research was concerned with the construction and validation of a test designed to differentiate levels of personal-social adjustment within a population of Naval Aviation Cadets. The projective responses of 83 Nav-Cads to a series of sentence beginnings or "stems" were utilized as a basis for constructing a multiple-choice sentence completion test. The resulting multiple-choice test proved sufficiently reliable for the classification of an individual into a low, average, or high adjustment group. With peer and self-ratings of social adequacy as criteria, the test yielded validity coefficients of −.15 and −.22, respectively. These correlations were in the predicted direction and significant at the .01 level of confidence.

8725. **Jones, Lyle V. Primary abilities in the Stanford-Binet, age 13.** *J. genet. Psychol.*, 1954, **84**, 125–147.—100 boys and 100 girls within 1 month of their 13th birthday were given the Stanford-Binet. A factor analysis of the results, using oblique rotations, was made. Nine primary factors are found and discussed.—(Z. Luria)

8726. **Keehn, J. D. A re-interpretation of the role played by colour in the Rorschach Test.** *Brit. J. med. Psychol.*, 1954, **27**, 89–93.—"... this paper is in agreement with the current Rorschach practice of refusing to interpret individual signs without recourse to other modifying factors appearing within the records. In particular it suggests that the general practice of weighting M against sum C responses is insufficiently refined and that in all probability *W* responses should also be taken into consideration. In addition it is conceivable that colour-determined responses occurring initially to the coloured cards should be interpreted differently from those appearing later." 31 references.—(C. L. Winder)

8727. **Kubis, Joseph K.** (Fordham U., New York.) **Projective techniques in guiding the child.** *Education*, 1953, **74**, 180–189.—Projective techniques are essentially a revolt against confinement and restriction in the testing situation. In discussing some theoretical considerations, the various types of projective techniques, the author gives an evaluation of them and a critique. He warns that a report, even though labelled "tentative" is rarely read as such for it affords one with a criterion for decision or action. Although admitting the benefits of projective techniques, the author sounds a note of warning in their indiscriminate use and often unwarranted interpretation.—(S. M. Amatora)

8728. **Levine, Bert** (U. Texas, Austin.), **& Iscoe, Ira. A comparison of Raven's Progressive Matrices with a short form of the Wechsler-Bellevue.** *J. consult. Psychol.*, 1954, **18**, 10.—Abstract.

8729. **Pierce-Jones, John.** (U. Oregon, Eugene.) **The readability of certain standard tests.** *Calif. J. educ. Res.*, 1954, **5**, 80–82.—The Flesch readability scores were ascertained for the Minnesota Multiphasic (83, fifth grade level), the Bell Adjustment Inventory (70, sixth grade level), the Socially Competent Person (63, seventh grade level), and the Kuder Preference Record (57, eighth grade level).—(T. E. Newland)

8730. **Porteus, S. D. Maze test qualitative aspects.** *Brit. J. med. Psychol.*, 1954, **27**, 72–79.—Porteus and others show that the "qualitative score" on the maze test differentiates between delinquents and non-delinquents. A further study showed that the Maze test findings permitted selection of trainable candidates rated non-acceptable on a usual aptitude test. The Q-score should be considered an index of "social-industrial trainability."—(C. L. Winder)

8731. **Rodell, Charles. A validation study of the Rorschach technique for the differential diagnosis of psychopathic groups.** In *Pennsylvania State Univ., Abstracts of dissertations ... 1953*, 1954, **16**, 577–584.—Abstract of Ph.D. thesis.

8732. **Sobol, Albert Leo. The use of the Rorschach Test in psychiatric diagnosis and treatment planning.** *Dissertation Abstr.*, 1953, **13**, 1264–1265.—Abstract of Ph.D. thesis, 1953, New York U.

8733. **Stone, Philip M. A study of objectively scored drawings of human figures in relation to the emotional adjustment of sixth grade pupils.** *Dissertation Abstr.*, 1953, **13**, 1265.—Abstract of Ph.D. thesis, 1952, Yeshiva U.

8734. **Stopol, Murray S.** (Teachers Coll., Columbia U., New York.) **Rorschach performance in relation to two types of stress.** *J. consult. Psychol.*, 1954, **18**, 11–15.—"The purpose of this study was to determine whether certain measures derived from the Rorschach were able to predict the ability of persons to withstand two distinct types of stress conditions desig-

nated as failure stress and task-induced stress..." Low W%, high Dd%, and a greater number of form-dominant over form-subordinate responses were correlated with the two criteria when failure stress was followed by task-induced stress. Otherwise, no other specific Rorschach measure was significantly related to the two kinds of stress measured. 19 references.—(F. Costin)

8735. **Sundberg, Norman D.** (U. Oregon, Eugene.) **A note concerning the history of testing.** *Amer. Psychologist*, 1954, **9**, 150–151.—By tabulating all the references to each test mentioned in the several "Mental measurements yearbooks" by O. K. Buros a perspective into the history of psychometric emphasis is achieved. Comparisons were made as to the total number of publications for each test through 1936 and through 1951, and for the periods 1937–1940 and 1948–1951. These results were related to reports of tests clinics use and divergences between the usage and number of publications were noted and discussed. —(J. Arbit)

8736. **Swartz, Melvin B. The role of color in influencing responses to the Rorschach Test: an experimental investigation of the validity of the color-shock hypothesis as a sign of neurotic disturbance and as a phenomenon induced by the color stimulus.** *Dissertation Abstr.*, 1953, **13**, 1266.—Abstract of Ph.D. thesis, 1953, New York U.

8737. **Thaler, Margaret. Three theories of personality applied to the Rorschach.** *J. Colo.-Wyo. Acad. Sci.*, 1953, **4**(5), 51.—Abstract.

8738. **Thompson, E. Frederick, & Glad, Donald D. Projective processes in the Emotional Projection Test.** *J. Colo.-Wyo. Acad. Sci.*, 1953, **4**(5), 48.—Abstract.

8739. **Wiseman, Stephen.** (U. Manchester, Eng.) **Symposium on the effects of coaching and practice in intelligence tests. IV. The Manchester experiment.** *Brit. J. educ. Psychol.*, 1954, **24**, 5–8.—In a sample of 381 primary school children a control group showed a rise of 4.7 points in mean IQ from the first to a second testing, while a practiced group working 8 tests produced a mean gain of 11.1 points. A coached group gained 6.4 points between the initial and final testing. The practice effect was largely concentrated in the first 3 or 4 tests, and practice gain was directly related to initial IQ level. Wide fluctuations in individual gains were apparent.—(R. C. Strassburger)

(See also abstracts 8305, 9041, 9047)

TREATMENT METHODS

8740. **Balint, Michael** (Tavistock Clinic, London, Eng.), **& Tarachow, Sidney. Psychoanalytic therapy. I. General concepts and theory of psychoanalytic therapy.** *Annu. Surv. Psychoanal.*, 1952, **1**, 227–240.—Papers summarized in this section deal with the following areas: (1) historical survey and critique of changing theory and changing therapeutic aims; (2) the specific nature of the therapeutic results of psychoanalysis; (3) limitations of treatment in certain kinds of cases and limitations of certain technical procedures; (4) the countertransference factor.—(F. Costin)

8741. **Bandler, Bernard.** (Boston U., Mass.) **Psychoanalytic therapy. IV. Psychoanalytic aspects of other psychiatric therapies.** *Annu. Surv. Psychoanal.*, 1952, **1**, 287–297.—"A survey of the psychoanalytic aspects of other therapies such as organic therapy, group therapy, and psychotherapy, reveals two major trends of interest. The first is the theoretical application of the concepts of psychoanalysis in order to achieve understanding of the clinical phenomena studied. The second trend is the practical application of the concepts of psychoanalysis in order to modify and improve techniques of treatment. The concepts themselves have not been questioned as the result of experience in other therapies and although the need for new concepts has been raised in group therapy no new theoretical formulations have been suggested."—(F. Costin)

8742. **Bergman, Philip S., Impastato, David J., Berg, Seymour, & Feinstein, Rhoda.** (New York U.) **Electroencephalographic changes following electrically induced focal seizures.** *Conf. neurol.*, 1953, **13**, 271–177.—"E.E.G.'s were studied in patients who had unilateral seizures induced by electric currents applied to one side of the head. Diffuse abnormality of low degree was produced in a minority of cases. Suggestive but inconsistent focal changes occurred. Records immediately after a seizure, even in the presence of severe hemiparesis, were normal. The method opens up several additional fields of investigation."—(M. L. Simmel)

8743. **Conn, Howard F. Current therapy 1954: latest approved methods of treatment for the practicing physician.** Philadelphia: Saunders, 1954. xxxii, 898 p. $11.00.—This is the 6th annual edition of an encyclopedic volume designed to give the practicing physician "authoritative, current methods of treatment in a form so devised as to make the desired information readily available." Of primary interest to the psychologist is the section on Disease of the Nervous System which includes articles on alcoholism, headache, motion sickness, drug addiction, psychoneuroses, and psychoses. Psychiatric aspects of other disease conditions are included in other sections.—(C. M. Louttit)

8744. **De Michele, John H.** (U. Illinois, Urbana.) **The interpretations of anxiety by various psychotherapeutic schools.** *J. consult. Psychol.*, 1954, **18**, 47–52.—Various psychotherapeutic schools were compared with respect to their methods of interpreting anxiety. As a result of the experiment, 4 continua in basic methods were postulated: (1) depth of interpretation, (2) nosological orientation, (3) inference of pathology, and (4) inference from subjective feelings. 22 references.—(F. Costin)

8745. **Devlin, John P. A study of verbalized self-attitudes and reactions to social frustration as methods of predicting success in brief psychotherapy.** In *Pennsylvania State College, Abstracts of disserta-*

tions . . . 1952, 1953, **15**, 544–547.—Abstract of Ph.D. thesis.

8746. **Frosch, John.** (New York U.) **Psychoanalytic therapy. III. Special problems of psychoanalytic therapy.** *Annu. Surv. Psychoanal.*, 1952, **1**, 261–287.—The special problems of psychoanalytic therapy reviewed in this section deal with (1) technical problems of specific clinical syndromes (schizophrenia, obsessive-compulsive neuroses and delinquency); (2) more specialized types of phenomena which arise in the course of analytic treatment (characterological traits, special transference reactions, and specific types of resistance).—(F. Costin)

8747. **Gill, Merton; Newman, Richard; Redlich, Fredrick C., & Sommers, Margaret.** (Yale U., New Haven, Conn.) **The initial interview in psychiatric practice. With phonograph records.** New York: International Universities Press, 1954. 423 p. $6.00. 3–12" 33⅓ rpm records, $4.60. (Sale of records restricted to professional persons and organizations.)—Part I: A survey of the literature on interviewing is followed by the author's recommendations for a technique to be used in the initial interview(s). A chapter is devoted to recording, including the therapist's and the patient's reaction to it. Part II: 3 verbatim initial interviews—2 of them with psychoneurotics, the third with a female schizophrenic—with comments and criticisms. The interviews are recorded. 95-item bibliography.—(A. J. Sprow)

8748. **Glad, Donald D., Lewis, Robert T., Page, Curtis W., & Jeffers, James R. Improvement in psychotherapy—a function of therapy methods and performance measures.** *J. Colo.-Wyo. Acad. Sci.*, 1953, **4**(5), 49–50.—Abstract.

8749. **Glass, Albert J.** (Brooke Army Hosp., Fort Sam Houston, Tex.) **Psychotherapy in the combat zone.** *Amer. J. Psychiat.*, 1954, **110**, 725–731.—Techniques of combat psychotherapy as they have evolved during World War I, World War II, and the Korean War are discussed. They involve the following basic principles: treatment as near the battlefront as possible; simplicity and brevity of treatment (suppressive and repressive rather than uncovering procedures); consistent efforts by all assigned personnel to create a therapeutic atmosphere that reflects positive motivation; and identification of the psychiatrist with the needs of the combat group rather than with the desires of the individual.—(N. H. Pronko)

8750. **Holmberg, G., & Thesleff, S. Succinylcholine Iodide (Celocurin) as a muscular relaxant in electroshock therapy.** *Acta psychiat., Kbh.*, 1953, Suppl. 80, 135–138.—"Celocurin, with its short-term action and absence of toxic effects, appears to us to constitute a new and ideal preparation for routine use in electroshock therapy."—(D. Prager)

8751. **Impastato, David J., Berg, Seymour, & Pacella, Bernard L.** (New York U.) **Electroshock therapy: focal spread technic. A new form of treatment of psychiatric illness.** *Conf. neurol.*, 1953, **13**, 266–271.—The authors describe a new technique of electroshock administration. Electrodes are placed over the motor area of one side, the current is gradually increased until contralateral limbs convulse, then further increased until ipsilateral limbs convulse also, thus producing a bilateral asymmetrical seizure. Among other advantages the authors cite "practically total elimination of confusion and agitation following treatment." 2 tables with comparative data on 10 patients treated with this technique and 10 patients treated with bilateral electroshock therapy.—(M. L. Simmel)

8752. **Jung, C. G. The practice of psychotherapy: essays on the psychology of the transference and other subjects.** New York: Pantheon Books, 1954. xi, 377 p. $4.50. (Bollingen Series 20.)—This is volume 16, the third to appear in the Bollingen Foundation edition of Jung's collected works. Part I includes 9 papers, newly translated by R. F. C. Hull, on general problems of psychotherapy published originally between 1930 and 1951. Part II includes one paper on abreaction, one on dream-analysis, and a translation of the book, "Die Psychologie der Übertragung," including its 167-item bibliography.—(C. M. Louttit)

8753. **Kahn, Marvin W. Perceptual consistency of Rorschach factors with therapy interview responses, and generalization change as a predictor of psychotherapeutic success.** In *Pennsylvania State College, Abstracts of dissertations . . . 1952*, 1953, **15**, 553–556.—Abstract of Ph.D. thesis.

8754. **Knight, Robert. Some remarks on psychotherapy.** *Dig. Neurol. Psychiat.*, 1954, **22**, 150.—Abstract. Portrait of author, p. 151.

8755. **Kral, V. A., & Smith, C. C.** (Verdun Protestant Hosp., Montreal, Can.) **Reflexes in insulin coma.** *A.M.A. Arch. Neurol. Psychiat.*, 1953, **70**, 713–721.—Observation of 9 female schizophrenic patients during 35 hypoglycemic shocks (17 full comas) indicated that no single sign or group of signs were specifically diagnostic of subcoma or full coma. While diminution or absence of abdominal, cutaneous reflexes and fixation of the eyeballs were noted in all full comas, they were also present in sub-comas.—(L. A. Pennington)

8756. **Lunn, Villars. Insulin-coma, electroconvulsion, surgical, and medicamental therapy.** *Acta psychiat., Kbh.*, 1953, Suppl. 80, 69–85.—Our knowledge of the therapeutic effect of somatic methods is empiric, not casual. Insulin coma is still unproven for process-schizophrenia. Insulin coma is effective in half the cases of atypical schizophrenia. E.C.T. should be given to fresh, particularly depressive, schizophrenics. Insulin coma is superior for chronic schizophrenics. Topectomy injures higher personality structure less than leucotomy. The use of the corticotropic hormones and the adreno-cortical hormones in the somatic therapy of endogenous psychoses is still in the first stage; especially up till now, there are no signs for the shock methods to be replaced by this form of treatment. 178 references.—(D. Prager)

8757. **McCarty, Bruce. Educational therapy.** *J. educ. Psychol.*, 1954, **45**, 65–80.—An experimental educational therapy program, conducted at Austin State Hospital in 1951, was instituted on the premise that mental patients will profit from a chance to learn or

re-learn elementary academic skills. A class of 11 received individualized instruction in school subjects and in matters of personal care. Appreciable progress was made. Such a program gives the patients opportunities for success and offers skills which can facilitate future adjustment. Suggestions are given regarding the types of patients who are more likely to profit from such a program.—(E. B. Mallory)

8758. **Martin, George J., Reisman, Maurice J., & Noyes, Arthur P.** (Norristown (Pa.) State Hosp.) **Vocational rehabilitation in a psychiatric hospital: an initial report.** *Ment. Hyg., N.Y.*, 1954, **38**, 107-112.—A discussion of the role of the vocational rehabilitation services in psychiatric hospitals. This is recognized as a fundamental element in returning the patient to his home community and in maintaining his mental health once he has been returned to an effective mode of life. The author urges that this is a highly important part of aiding the patient back to health and of increasing community understanding and acceptance of him once he has succeeded in helping himself to recovery.—(M. A. Seidenfeld)

8759. **Montagu, J. D. The modification of convulsion therapy by muscle-relaxant drugs.** *Acta psychiat., Kbh.*, 1953, Suppl. 87, 1-88.—As an adjunct to convulsion therapy, the ideal relaxant must fulfill the following criteria: produce adequate skeletal muscular paralysis, spare respirations, act rapidly and briefly, have no toxicity or side-effects, and produce consistent results. This ideal has not yet been discovered. Curare, flaxedil, decamethonium, and succinylcholine are compared in respect to paralyzing activity and complications. Altho the relaxants have earned for themselves a place in the technique of convulsion therapy, careful attention must be given to the specific hazards attending the use of each of them. 385 references.—(D. Prager)

8760. **Moriarty, John D. Evaluation of carbon dioxide inhalation therapy.** *Amer. J. Psychiat.*, 1954, **110**, 765-769.—Over a 4-year period a total of approximately 7500 CO_2 treatments were administered to a series of 290 patients. Study of the first 100 patients reveals that 42% may be classed as "much improved," 39% as "improved" and 19% as "unimproved." The mode of action of CO_2 therapy is suggested, its integration with psychotherapy recommended and its indicated usage in certain disorders discussed.—(N. H. Pronko)

8761. **Moss, Claude Scott. A quantitative semantic analysis of the dream in psychotherapy.** *Dissertation Abstr.*, 1953, **13**, 1261.—Abstract of Ph.D. thesis, 1953, U. Illinois.

8762. **Negrin, Juan, Jr.** (Bellevue Hosp., New York.) **Observations on shock therapy.** *Conf. neurol.*, 1953, **13**, 295-300.—"A method for direct selective intracranial cerebral electric shock therapy is described. Since this procedure does not result in the extensive irreversible anatomical changes produced by psychosurgical methods, it should logically be given a trial before any surgical intervention is made."—(M. L. Simmel)

8763. **Neuman, Gerard G., & Glad, Donald D. A quantitative model for measuring psychotherapy progress.** *J. Colo.-Wyo. Acad. Sci.*, 1953, **4**(5), 50-51.—Abstract.

8764. **Oberndorf, C. P. Selectivity and option for psychiatry.** *Amer. J. Psychiat.*, 1954, **110**, 754-758.—The thesis is developed that the therapy of a mentally disturbed patient can be best achieved through a therapist who is not only an expert but one who understands thoroughly that patient's motivations. In order to readapt the individual to the group in which he is placed by time of his birth, color, nationality, etc., it seems probable that there will be a place for many years to come for a selective mental hospital serving such specific needs.—(N. H. Pronko)

8765. **Podolsky, Edward. (Ed.)** (Kings Co. Hosp. Brooklyn, N. Y.) **Music therapy.** New York: Philosophical Library, 1954. xii, 335 p. $6.00.—A collection of papers from various journals concerning the therapeutic value of music on mental, emotional and physical ailments. Such topics are discussed as Music and mental health, Music as an adjunct to electroshock therapy, Music and the tension headache. 70-item bibliography.—(S. B. Groy)

8766. **Racker, Heinrich. Notes on the theory of transference.** *Psychoanal. Quart.*, 1954, **23**, 78-86.—The author asks and attempts to answer the following questions: is the relationship between transference and resistance discovered by Freud the only one; do other factors besides resistance influence analytic transference; is analytic distinguished from general transference by other characteristics in addition to greater intensity.—(L. N. Solomon)

8767. **Reider, Norman.** (Mt. Zion Hosp., San Francisco, Calif.) **Psychoanalytic therapy. II. General problems of psychoanalytic therapy.** *Annu. Surv. Psychoanal.*, 1952, **1**, 240-261.—The literature published during 1950 on general problems of psychoanalytic therapy is summarized according to the following areas: (1) Transference and countertransference; (2) termination of the analysis; (3) character analysis.—(F. Costin)

8768. **Revitch, Eugene. Observations on organic brain damage and clinical improvement following protracted insulin coma.** *Psychiat. Quart.*, 1954, **28**, 72-92.—5 showed marked improvement and 3 remained unimproved. Improvement was attributed to the organic brain damage which disrupts associative pathways not unlike lobotomy. The severe organic brain deficit was of varied duration. 19 references.—(D. Prager)

8769. **Roshal, Jean Marlyn Goldstein. Changes in behavior variability with psychotherapy as measured in language behavior.** In *Pennsylvania State College, Abstracts of dissertations ... 1952*, 1953, **15**, 557-561.—Abstract of Ph.D. thesis.

8770. **Rylander, Gösta. Therapeutic results of different types of frontal lobe operation.** *Acta psychiat., Kbh.*, 1953, Suppl. 80, 122-128.—Superior undercutting may be preferable in anxiety cases and orbital undercutting in depressions. Cingulate gyrus undercutting has been discontinued. Superior convexity

undercutting produces no very marked personality changes. Orbital undercutting produces loss of oversensitivity, normalization of emotional reactions, and increased independence. No lowering of intellecutual functions was observed 3-4 wks after operation.—(D. Prager)

8771. **Schaffer, Leslie, & Myers, Jerome K. Psychotherapy and social stratification.** *Psychiatry*, 1954, **17**, 83-93.—On the basis of data accumulated in a psychiatric outpatient clinic, the authors indicate a significant relationship between psychotherapeutic practice and social class. The findings are discussed from the points of reference: (1) the patient; (2) problems of communication in the patient-therapist interaction; (3) the therapist in the social structure of the clinic. The relevance of the economic component of social class in this connection is considered more limited than has been thought. Implications are drawn for psychiatric teaching and the planning of treatment centers.—(C. T. Bever)

8772. **Strel'chuk, I. V. Okhranitel'noe tormozhenie i lechebnyĭ son v psikhiatrii i nevropatologii.** (Protective inhibition and curative sleep in psychiatry and neuropathology.) *Zb. vyssh. nervn. Deĭatel'.*, 1952, **2**(4), 509-517.—Pavlov's theory of protective inhibition has provided a scientific foundation for sleep therapy. Where there exists evidence of protective inhibition in a given psychiatric condition, sleep therapy to intensify it is indicated. There have now been developed many forms of sleep therapy which allow for greater flexibility and application of treatment than was the case with sleep therapy in the form of "prolonged narcosis." Whereas previously sleep therapy was applied almost exclusively to schizophrenia, "it is now applied with success to...reactive depression, neuroses, hidden traumata of the brain, narcomania, etc." when "there are clearly expressed manifestations of a diffuse protective inhibition."—(I. D. London)

8773. **Wilcox, Paul H. Physiodynamic differentiation with non-convulsive electrostimulation.** *Conf. neurol.*, 1953, **13**, 300-305.—"A technic of non-convulsive cerebral electrostimulation was described and several physiodynamic reaction patterns were described, namely: (1) Weeping reaction with subsequent relief. (2) Mild euphoria with subsequent return or increase of depression or other symptoms. (3) Anger reaction. (4) Sleep reaction. (5) Trance states. (6) Appearance of conversion symptoms. (7) Bland or neutral reactions."—(M. L. Simmel)

8774. **Wolberg, Lewis R. The technique of psychotherapy.** New York: Grune & Stratton, 1954. xiv, 869 p. $14.75.—Intended for students and practicing therapists, the text deals extensively with the scope, structure, varieties, and general principles of psychotherapy. Technical problems arising in the initial, middle, and terminal phases of treatment are discussed with case material data. Emergency situations, specific psychiatric disorders, supervision, psychological testing, and the functions of clinical psychologists are considered. A complete case history with transcriptions and comments on 9 treatment sessions concludes the volume. 19 varied informational outline forms are appended. Recommended reading list of 63 items. 481 references.—(H. P. David)

(See also abstracts 8340, 8883, 8897)

CHILD GUIDANCE

8775. **Buxbaum, Edith, & Ross, Nathaniel. Child analysis.** *Annu. Surv. Psychoanal.*, 1952, **1**, 200-226.—Literature dealing with child analysis published in 1950 is summarized according to the following classifications: (1) historical and general considerations; (2) development; (3) diagnostic procedures; (4) clinical syndromes and symptomatology; (5) therapeutic techniques. The authors point out that the most significant research was made in the area of development, with emphasis on ego organization. The papers also reveal that "by and large, clinical diagnosis and technique are not yet closely related to each other nor sufficiently integrated with the growing body of knowledge concerning child development."—(F. Costin)

8776. **Elliott, Sarah Anne** (Virginia Dept. Welfare and Institutions, Richmond.), **& Keith-Lucas, Alan. A mother's movement toward responsibility during her child's placement.** *Social Casewk*, 1954, **35**, 166-169.—The authors suggest that current emphasis on the affective components of the parent-child relationship may sometimes obscure the fact that the relationship has legal and moral responsibilities around which parents may need casework help. A case is presented in which such help is given to a mother during the institutional placement of a 9 year old epileptic daughter.—(L. B. Costin)

8777. **Macfarlane, Jean Walker.** (U. California, Berkeley.) **The uses and predictive limitations of intelligence tests in infants and young children.** *Bull. World Hlth Org.*, 1953, **9**, 409-415.—As criteria on which to base adoption policy, tests on infants should be considered together with those on the parents and with a number of other factors, including a full developmental history of the child, its health record, and the results of a medical and neurological examination. "The major emphasis in adoption should perhaps be placed on the needs of the adopting parents; those who would only respond to a child of high ability should be urged not to adopt an infant but rather a child who has reached an age where prediction can be more accurate." French summary.—(A. J. Sprow)

8778. **Michal-Smith, H. (Ed.)** (Flower & Fifth Avenue Hosp., New York.) **Pediatric problems in clinical practice; special medical and psychological aspects.** New York: Grune & Stratton, 1954. x, 310 p. $5.50.—The book is concerned with the problem of children with handicapping disabilities, and attempts to bridge the gap between technical knowledge and practical application in this field. The ed-

itor contributes a chapter on the mentally retarded child. Of the 12 additional chapters, 6 deal with disabilities related to physical illness or injury, 3 to those resulting from damage to brain and nervous system, 2 with mental and emotional disorder, while one describes normative childhood development. Each chapter is written by an authority in that specific area. 139-item bibliography.—(W. E. Galt)

8779. **Nitsche, Carl J. An objective investigation of emotionally disturbed children during resident treatment.** In *Pennsylvania State College, Abstracts of dissertations... 1952*, 1953, **15**, 364–366.—Abstract of Ed.D. thesis.

8780. **Penrose, L. S.** (U. London, Eng.) **Hereditary influences in relation to the problem of child adoption.** *Bull. World Hlth Org.*, 1953, **9**, 417–422.—"There is little exact information on the hereditary influences which are of greatest interest from the social and educational points of view.... The value of genetical judgements...cannot be substituted for facts ascertained about the physical and mental state of the child itself at the time of adoption... most genetical problems in adoption cases concern graded characters, and here prediction can only be very tentative. A definite degree of likeness obtains within families for graded characters, but the genetical divergence may be considerable, and it can be accentuated by environment." French summary.

VOCATIONAL GUIDANCE

8781. **Crissy, William J. E.** (Personnel Development, Inc., New York.) **Guidance implications of personnel selection procedures.** *Counseling*, 1954, **12**(1), 1–2.—Tells how vocational counselors and personnel selection workers have much in common in terms of the jobs they do. Communication between the two groups should be encouraged; they both have much to learn from each other.—(F. Costin)

8782. **Erlandson, Forrest Leroy. Socio-economic factors related to vocational interests as measured by the Strong Vocational Interest Blank for Men.** *Dissertation Abstr.*, 1953, **13**, 1256–1257.—Abstract of Ph.D. thesis, 1953, U. Minnesota.

8783. **Feingold, S. Norman. How to choose that career: civilian and military.** Cambridge, Mass., Bellman Publ. Co., 1954. 52 p. $1.00.—This brief manual is primarily concerned with assisting the young man to anticipate, adjust to, and benefit from military service. 181-item bibliography.—(G. S. Speer)

8784. **Guguenheim, C. La formation des gouts professionnels; résultats d'une enquête effectuée dans un collège technique de jeunes filles.** (Formation of vocational interests; results of a survey in a technical girls' school.) *Travail hum.*, 1953, **16**, 241–252.—Interview surveys of several hundred S's gave these findings: (1) Rarely did they choose same vocation as parents, but they usually aimed for vocation parents chose for them. (2) Just 35% received and followed advice from Vocational Guidance; 22% took tests but paid no attention to results; few gathered information about their projected occupation. (3) No basic difference in interests existed between those taking commercial from those in industrial curricula. (4) More pains are taken with boys' vocational choice than for girls in a family.—(R. W. Husband)

8785. **Stordahl, Kalmer E. The stability of Strong Vocational Interest Blank patterns for pre-college males.** *Dissertation Abstr.*, 1953, **13**, 1265–1266.—Abstract of Ph.D. thesis, 1953, U. Minnesota.

8786. **Tramer, M. Zu einer Lehre von der Berufsneigung als einzelseelische und gesellschaftliche Kraft.** (On a theory of vocational aptitude as a force affecting the state of mind of the individual and society.) *Mensch u. Arbeit*, 1953, **5**(3), 1–13.—Psychological and vocational tests are indispensable for evaluating personality and aptitude. The extent to which it is possible to arrive at the ideal solution of vocational problems depends to a large measure on economic factors. Because of these and additional limitations of the individual, vocational aspirations are frequently frustrated and result in personality disturbances. To offset the latter and to make optimal use of whatever opportunities do exist within the framework of economic limitations, all aspects of individual aptitudes should be carefully explored and considered.—(E. Schwerin)

8787. **Viglietti, Mario. La preparazione scientifica degli orientatori.** (The scientific preparation of vocational counselors.) *Salesianum*, 1954, **16**, 109–132.—The vocational guidance counselor is to be considered in terms of his personality, technical and general preparation as required by his function within our contemporary society. Counseling cannot be reduced to a set of techniques, consequently the counselor should possess particular personality characteristics especially in terms of background, understanding, and moral and intellectual integrity. The second part of the article presents a detailed program of studies comprising general courses, technical courses, as well as special courses for vocational and scholastic guidance. 34-item bibliography.—(A. Manoil)

8788. **Way, Harrison Hedley. The relationship between forced choice scores and differentiated response scores on the Kuder Preference Record-Vocational.** *Dissertation Abstr.*, 1953, **13**, 1097–1098.—Abstract of Ed.D. thesis, 1953, Indiana U.

8789. **Way, Harrison H. Relationship between forced choice scores and differentiated response scores on the Kuder Preference Record—Vocational.** *Indiana Univ. Stud. Educ., Thesis Abstr. Ser.*, 1954, No. 5, 237–242.—Abstract of Ed.D. thesis.

(See also abstract 9022)

BEHAVIOR DEVIATIONS

8790. **Cowles, Edward Spencer. The conquest of fatigue and fear.** New York: Henry Holt, 1954. viii, 238 p. $2.95.—From a psychosomatic approach, fear and fatigue and a variety of other common complaints

are explained in non-technical terms meant for the layman.—(N. H. Pronko)

8791. **Edwards, Robert M., & Peterson, Donald B. Korea: current psychiatric procedure and communication in the combat theater.** *Amer. J. Psychiat.*, 1954, **110**, 721-724.—A case of a 25 year-old infantry man, a neuropsychiatric casualty of the Korean War, is discussed in relation to "the application of current military psychiatric concepts, method of communication, and discussion of their rationale."—(N. H. Pronko)

8792. **Ferrer, Gordon R. "Parlor psychiatry."** *Psychiat. Quart.*, 1954, **28**, 126-133.—An anxious parent can quote psychoanalytic scriptures to suit his defenses. The psychiatrist should not play the therapist socially or intrafamilially.—(D. Prager)

8793. **Frey, Torsten S:son, & Steinwall, Oskar. The electroencephalogram in minor psychiatric disorders.** *Acta psychiat., Kbh.*, 1953, Suppl. 80, 182-187.—The greater the probability of cerebral lesion, the greater the percentage of low alpha values. Obsessives and schizoids showed the lowest alpha frequencies (under ten per second). All the percentages of low alpha frequencies in the various psychiatric disorders are greater than corresponding ones in normal series.—(D. Prager)

8794. **Hall, K. R. L., & Stride, E. The varying response to pain in psychiatric disorders: a study in abnormal psychology.** *Brit. J. med. Psychol.*, 1954, **27**, 48-60.—An experimental investigation of the response to pain. 400 patients varying in sex, age, and diagnostic group were studied. The "results are interpreted as demonstrating the probability that the major causes of variation in pain tolerance, within this psychiatric population, can all be attributed to differences in central attitude or pain-conceptualization and not to differences in peripheral sensitivity. General discussion of these differences is made in terms of (i) learning mechanisms, (ii) constitutional-temperamental types." 31 references.—(C. L. Winder)

8795. **Igersheimer, Walter W.** (Yale U., New Haven, Conn.) **Cold pressor test in functional psychiatric syndromes.** *A. M. A. Arch. Neurol. Psychiat.*, 1953, **70**, 794-801.—Intergroup comparisons between 37 normal, 18 neurotic, 29 schizophrenic, and 6 manic-depressive subjects, using vascular reactions to the cold pressor test, indicated a significantly lower cold pressor response in the psychotic patients than with normal subjects. The neurotic subjects occupied an intermediate position between the 2 groups. Findings are related to Gellhorn's theory of deficient reactivity of the sympathetic nervous system in the psychoses.—(L. A. Pennington)

8796. **Jourard, Sidney M.** (Emory U., Ga.) **Moral indignation: a correlate of denied dislike of parents' traits.** *J. consult. Psychol.*, 1954, **18**, 59-60.—One hundred and fifteen persons were tested with scales designed to measure moral indignation and attitudes toward parents. It was hypothesized that S's who admit little criticism and dislike of their parents would show higher indignation scores than S's who do admit some dislike of their parents' traits." The hypothesis was supported by the data.—(F. Costin)

8797. **Lifschitz, W., & Melzer, —. Etude de l'initiative psychomotrice volontaire dans les maladies mentales et neurologiques.** (Study of psychomotor voluntary initiative in mental and neurologic patients.) *Rev. neurol. (Paris)*, 1952, **86**(4), 353-354.—Ergograph studies on 108 patients suggest psychomotor deficiencies common to many psychiatric classifications.—(Courtesy of *Biol. Abstr.*)

8798. **Lifton, Robert J. Home by ship: reaction patterns of American prisoners of war repatriated from North Korea.** *Amer. J. Psychiat.*, 1954, **110**, 732-739.—Reaction patterns of a group of American prisoners in Korea to their uniquely traumatizing experience are described and correlated with a sequence of behavior between their repatriation and their arrival in San Francisco 16 to 19 days later. Individual interviews, shipboard observations and group therapy sessions were the basis of noting individual and group defenses and identifications. These were discussed in relation to underlying dynamics and their effect on future adjustments.—(N. H. Pronko)

8799. **Mas de Ayala, Isidro. El porvenir de la psiquiatría.** (The future of psychiatry.) *Rev. Neuro-Psiquiat., Lima*, 1952, **15**, 334-346.—"The nosographical classifications are in crisis. Today it is admitted that the morbid psychological pictures are not real diseases but mental syndromes. The 'alarm syndrome' (Seyle) is due to changes in the balance of the pituitary gland and the hypothalmus, which regulates the vascular, endocrine, and coenesthetic functions, intimately relationed with the psychological aspect." The author devotes much of his discussion to Hans Seyle's research on stress. Various biological forms of therapy have identical action in reestablishing the balance which is upset by stress. "Psychiatry, more and more invaded by the clinician, the neurologist, and psychoanalyst, is reduced almost exclusively to the study of... schizophrenia."—(R. M. Frumkin)

8800. **Pacella, Bernard L.** (Presbyterian Hosp., New York.) **Photic stimulation of psychiatric patients.** *Conf. neurol.*, 1953, **13**, 309-312.—"Metrazol or combined photo-metrazol activation has some value in the milder or recurrent depressive states, while narco-photic stimulation seems to be of benefit in the mildly manic or hypomanic conditions. However, considerably more observation is necessary in order to determine the extent to which 'myoclonic' or combined photic treatments can be of significant value in these cases."—(M. L. Simmel)

8801. **Ray, I. Ideal characters of the officers of a hospital for the insane.** *Bull. Isaac Ray med. Libr.*, 1954, **2**, 15-32.—This paper which was first published in the *American Journal of Insanity*, 1873, volume 30, "... is here republished partly because of the current interest in establishing accrediting standards for various psychiatric personnel, but mainly because of its reflection of Dr. Ray's concepts of the

basic qualities which all who deal with the mentally ill should strive to cultivate."

8802. **Roberts, Bertram H., & Myers, Jerome K.** (Yale U., New Haven, Conn.) **Religion, national origin, immigration, and mental illness.** *Amer. J. Psychiat.*, 1954, **110**, 759-764.—Patients under treatment in New Haven were studied with reference to their religion, national origin and immigrational status. Great differences were found in the frequency of certain disorders in the various groups studied. Comparisons between this study and previous ones is made and speculative explanations are suggested to explain the trends and disproportions.—(N. H. Pronko)

8803. **Ruesch, Jurgen. Psychiatry and the challenge of communication.** *Psychiatry*, 1954, **17**, 1-18.—Psychiatry deals with patients, disturbed in communicative function. Other disciplines concerned with the basic sciences, animal research, rehabilitation, industry and the basic arts have significantly advanced in the understanding of communication. The use of the developments in these fields is recommended in the training of psychiatrists.—(C. T. Bever)

8804. **Salzman, Leon. Uncanny feeling.** *Psychiatry*, 1954, **17**, 100-102.—Extending Sullivan's observations on "uncanny emotions", the author presents one interview in which such emotions were aroused by the feeling of tenderness towards another person never previously experienced by this patient.—(C. T. Bever)

8805. **Stanton, Alfred H. Psychiatric theory and institutional context.** *Psychiatry*, 1954, **17**, 19-26.—Upon the assumption that subjective experience always has an interpersonal aspect, the subjective experience of the mental hosital staff is examined. Psychiatric theories determine policies and procedures in the hospital and special reference is made to their abuse in rationalizing failures and ignorance; such abuse usually goes unrecognized and is particularly effective in concealing its harmful implications from the psychiatrist. Many of the problems facing hospital personnel are of a social and of an individual nature. Improvement in the theory of hospital social behavior may contribute to improved patient care and to psychiatric theory.—(C. T. Bever)

8806. **Strickland, Benjamin A., Jr., & Ferris, Charles. Air transportation of psychiatric patients.** *Amer. J. Psychiat.*, 1954, **110**, 740-747.—A review of the literature on management of neuropsychiatric patients is first reviewed and methods used, including standard military procedures are then presented. 2879 case reports of 2100 different patients in flight are summarized and a USAF School of Aviation research report is presented in outline form.—(N. H. Pronko)

8807. **Svendsen, Bent Borup.** (Aarhus U., Denmark.) **Psychiatric morbidity among civilians in wartime.** *Acta Jutlandica*, 1952, **24** (Suppl. A), 163 p.—A statistical study of approximately 108,000 admissions to Danish psychiatric clinics during the decade from Jan. 1, 1939 to Dec. 31, 1948. This study does not include inmates of psychiatric security institutions, institutions for the mentally defective and epileptics, and institutions for the treatment of alcoholism. Year-to-year fluctuations in admissions were studied and were categorically divided into 3 groups from the standpoint of causative factors leading to the variation in admission rates. These were (1) "nosocomial" or, administrative factors, (2) "threshold" factors which depend on severity of the patient's condition, and (3) factors influencing the absolute or relative prevalence of mental disease. 127-item bibliography.—(M. A. Seidenfeld)

8808. **World Health Organization. Expert Committee on Mental Health. The community mental hospital.** *World Hlth. Org. tech. Rep. Ser.*, 1953, No. 73, 38 p.—This is the third report of the Expert Committee on Mental Health and deals with "essential mental hospital accommodations" and observes that any country, however underdeveloped, "which has less than one psychiatric bed per 10,000 of the population will be unable to provide even the crudest level of emergency psychiatric in-patient care."—(J. C. Franklin)

8809. **Ziskind, Eugene.** (U. California, Los Angeles.) **Psychophysiologic medicine.** Philadelphia: Lea & Febiger, 1954. 370 p. $7.00—Addressed primarily to physicians, this work consists of two parts, the first of which constitutes a manual of procedure that considers the recognition and diagnosis of psychiatric disorders and use of such psychiatric techniques as the interview. The second part deals with background factors in psychopathology and a variety of schools of psychiatric thought. A final chapter considers "diseases commonly called psychosomatic." 469-item bibliography.—(N. H. Pronko)

(See also abstracts 8354, 8356, 8615, 8860)

MENTAL DEFICIENCY

8810. **Cobb, Dorothy.** (Rome (N. Y.) State Sch.) **Preparing the mentally defective child for community adjustment.** *Amer. J. ment. Defic.*, 1954, **58**, 664-672.—Problems and techniques (with specific reference to the program of the Rome State School) of preparing the mentally defective individual for non-institutional life are described.—(V. M. Staudt)

8811. **Ebling, George, Jr.** (Wayne County Train. Sch., Northville, Mich.) **Some aspects of a community program for educable mentally handicapped children.** *Amer. J. ment. Defic.*, 1954, **58**, 535-539.—Problems and procedures in community programs for educable mentally retarded children are discussed.—(V. M. Staudt)

8812. **Engle, T. L., & Hamlett, Iona C.** (Indiana U., Bloomington.) **Comparison of mental defectives and normal children in ability to handle clock and calendar situations.** *Amer. J. ment. Defic.*, 1954, **58**, 655-658.—Ability to tell time by clock and calendar is an essential part of training for non-institutional life. A set of 18 questions are recorded as they were

presented to a group of normal school children in the second, third and fourth grades and to a group of adult mentally deficient patients. The authors found a marked increase in scores for the normal group as chronological age and mental age increased. Scores for the mentally deficient adults whose mean mental age was seven years seven months were found to be equal to those of normal children midway between eight and nine years of age.—(V. M. Staudt)

8813. **Gakkel', L. B. Opyt sravnitel'nogo izucheniia narushenii vysshei nervnoi deiatel'nosti u bol'nykh oligofreniei i starcheskim slaboumiem.** (Comparative study of the disturbance of higher nervous activity in oligophrenics and senile imbeciles.) *Zh. vyssh. nervn. Deiatel'.*, 1953, **3**(1), 92–98.—In oligophrenics both the excitatory and inhibitory processes are sharply weakened. As a consequence, the simultaneous formation of two conditioned reflexes is not possible. This is "clinically reflected in the impossibility of grasping a complex situation." Bromine therapy and prolonged sleep have a positive effect on the condition. In senile imbeciles the "weakness of the excitatory process is expressed even more sharply," so that new conditioned reflexes cannot be formed.—(I. D. London)

8814. **Geller, Max. Group psychotherapy with girls institutionalized for mental deficiency: a study of psychotherapeutic process and effects.** *Dissertation Abstr.*, 1953, **13**, 1258–1259.—Abstract of Ph.D. thesis, 1953, New York U.

8815. **Heiser, Karl F.** (Training Sch., Vineland, N. J.) **Psychotherapy in a residential school for mentally retarded children.** *Train. School. Bull.*, 1954, **50**, 211–218.—A progress report on a year's therapy with 14 children gives changes in behavior personally and socially, changes in IQ where of interest, and an evaluation of therapeutic efforts.—(W. L. Wilkins)

8816. **Hormuth, Rudolf P. Case work approaches in a community clinic for mentally retarded children.** *Except. Child.*, 1954, **20**, 253–258.—"An attempt to evaluate and summarize some of the adaptations made by the psychiatric social worker at the Morris J. Solomon Clinic (Brooklyn) in the first two years" of its operation. "The social workers should go beyond just helping parents to 'accept' mentally retarded children. What is needed is concrete management help which will provide these parents with some measures of success as parents, however limited these successes may be."—(T. E. Newland)

8817. **Johnston, Philip W., & Farrell, Malcolm J. Auditory impairments among resident school children at the Walter E. Fernald State School.** *Amer. J. ment. Defic.*, 1954, **58**, 640–643.—Hearing loss in a group of resident school children was found to be five times as great as among public school children of the same chronological age. Moreover 64 per cent of the impaired children were found to have bilateral auditory impairments which constitute serious social and communicative handicaps. The authors describe a program of follow-up for these defective children.—(V. M. Staudt)

8818. **Keller, James E.** (Wayne County Train. Sch., Northville, Mich.) **The investigation of a specific cognitive deficiency.** *Amer. J. ment. Defic.*, 1954, **58**, 560–565.—A method of investigating disabilities in learning among the handicapped by means of block design tests is described.—(V. M. Staudt)

8819. **McCulloch, Thomas L.** (Letchworth Village, Thiells, N. Y.) **The relation of psychology to the field of mental deficiency.** *Amer. J. ment. Defic.*, 1954, **58**, 650–654.—The intimate relation of psychology as a science, as a technology and as a profession, with the field of mental deficiency is discussed. Every effort should be made to provide opportunities for well-qualified psychologists in these three types of activities.—(V. M. Staudt)

8820. **McMurray, J. G.** (Ontario Hosp., Orillia, Ont., Can.) **Visual perception in exogenous and endogenous mentally retarded children.** *Amer. J. ment. Defic.*, 1954, **58**, 659–663.—Lissajous figures were used in a study of the visual perception of two groups of etiologically different mentally retarded children. In each group the subjects were paired according to sex, chronological age and intelligence. The exogenous mental defectives as compared with the endogenous exhibited unusual visual perception as demonstrated by their tendency to perceive fewer reversals in the perception of the figures. Brain injured children, it seems therefore, reproduce visual designs less efficiently than familial subjects because of their unusual perception. Their poor reproductions of visual designs seem to be due to misperception of stimulus figures rather than to faulty memory. 21 references.—(V. M. Staudt)

8821. **Perry, Stewart E. Some theoretic problems of mental deficiency and their action implications.** *Psychiatry*, 1954, **17**, 45–73.—Based on a review of the literature and consultation with about 40 workers in the field, this paper deals with present-day conceptions of mental deficiency and with some of their practical implications. The term includes different conditions which have as the only real common denominator a presumed or demonstrated intelligence defect. The different processes are discussed as subnormal intelligence, as social failure, as organic failure, as inherited defect, as a pattern of interpersonal relations, and as a sociocultural pattern. The problems to the defective, to the family, and to the community are considered. The dynamic aspects of the mental defective situation are emphasized and suggestions outlined for an interdisciplinary study.—(C. T. Bever)

8822. **Popp, Cleo E.,** (Flint (Mich.) Publ. Schls.), **Ingram, Vivien, & Jordan, Paul H. Helping parents understand their mentally handicapped child.** *Amer. J. ment. Defic.*, 1954, **58**, 530–534.—A typical program executed in one community is described. Parents were given a course on the nature and problems of mental retardation. Several successful trends are reported as outgrowths of this project: (1) Relief from feelings of guilt on the part of the parents. (2) Reduction in hostility toward the public schools. (3)

Disappearance of fear of state training school. (4) Better acceptance of retarded children by parents (5) Growing interest in development of a cooperative nursery school to provide habit training and social experience for children. (6) The community established a chapter of the state association of parents and friends of the mentally retarded.—(V. M. Staudt)

8823. **Reed, S. C., Reed, Elizabeth, & Palm, J. D.** (U. Minnesota, Minneapolis.) **Fertility and intelligence among families of the mentally deficient.** *Eugen. Quart.*, 1954, **1**, 44-52.—This is a follow-up study of the intellectual and reproductive capacities of 296 families of mentally deficient patients studied in Minnesota state schools between 1911-1918. The 12.5 percent of original patients who had families averaged 48 IQ, while their 80 children averaged 71 IQ. Four grandparents and all descendents of these propositii are included. The kindred produced more children than did the sibs, and the sibs more than the propositii, indicating that the genes for severe mental defect tend to eliminate themselves.—(G. C. Schwesinger)

8824. **Rudolf, G. De M.** (Hortham and Yatton Hall Hosp., Eng.) **An experiment in the treatment of masturbation in oligophrenia.** *Amer. J. ment. Defic.*, 1954, **58**, 644-649.—Administration of stilbesterol reduced masturbation in two of six males. The dosage varied from .25 mg. every morning to the same quantity given 3 times daily. The reduction occcurred during and after the cessation of the treatment. During treatment increased mental activity also was demonstrated.—(V. M. Staudt)

8825. **Schmickel, Bert W.** (Training Sch., Vineland, N. J.) **A child must have a home.** *Train. School Bull.*, 1954, **50**, 221-231.—Life under the cottage system in a residential school for the mentally handicapped is described with implications drawn for its influence on the children.—(W. L. Wilkins)

8826. **Stickland, C. A. Two mongols of unusually high mental status.** *Brit. J. med. Psychol.*, 1954, **27**, 80-83.—"A detailed description is given of two mentally defective subjects, with the clinical syndrome mongolism, who are much above the average intellectual level for this condition. In neither case is the physical diagnosis subject to any doubt and the pattern of mental disability in both is shown to be very similar."—(C. L. Winder)

8827. **Tizard, J.** (Maudsley Hosp., London, Eng.) **The prevalence of mental subnormality.** *Bull. World Hlth Org.*, 1953, **9**, 423-440.—This paper discusses the main criteria by which assessments of mental subnormality are made considering 6 aspects of an individual's present condition: anatomical and physiological, intellectual, educational, social (social competence), occupational, and temperamental or moral, and summarizes the findings of some of the principal prevalence studies that have been undertaken. French summary. 37 references.—(A. J. Sprow)

8828. **Weiner, Bluma B.** (Wayne County Train. Sch., Northville, Mich.) **Essential features of a pre-academic program for young mentally handicapped children.** *Amer. J. ment. Defic.*, 1954, **58**, 540-543.—The pre-academic program employed at the Wayne Country Training School is discussed. Some essential features of the program are as follows: a "home" is created in the classroom; play and recreation are provided; planned arts and craft activities are stressed; the program also prepares the children for participation in academic work.—(V. M. Staudt)

8829. **Whitney, E. Arthur** (Elwyn Train. Sch., Pa.) **Mental deficiency—1953.** *Amer. J. ment. Defic.*, 1954, **58**, 583-594.—Abstracts of American and foreign literature covering all phases of mental retardation are presented as of 1953. 22 references.—(V. M. Staudt)

Behavior Problems

8830. **Bejke, Roland. A contribution to the theory of exhibitionism.** *Acta psychiat., Kbh.*, 1953, Suppl. 80, 233-243.—The exhibitionist has a strong mother-fixation and the victim is a mother imago. The strong mother fixation frequently originates as a sort of contrast to the often strong aversion or exaggerated respect for the father who in many cases is hard and exacting. If the reverse is true (soft father and hard mother), one may expect a homosexual exhibitionism. Most exhibitionists have acquired strong guilt feelings about masturbation during childhood. The compulsive aversion to unfaithfulness to wife or fiancee is the commonest cause of exhibitionistic behavior. Other causes are: fear of making the strange woman pregnant, preference for sexual contact at a distance, fear of venereal infection, fear of infecting the woman. —(D. Prager)

8831. **Blank, H. Robert. Depression, hypomania, and depersonalization.** *Psychoanal. Quart.*, 1954, **23**, 20-37.—"Depression, hypomania, and depersonalization in a girl of twenty-three are described and interpreted as major related elements in a pattern of defense. The hypomanic episodes, which were less frequent and severe than her depressive symptoms and feelings of unreality, were a defense by denial. Such a defense appears clinically as impairment of perceptual and reality testing functions of the ego. Depersonalization seemed to be an emergency defense against the threatened eruption into consciousness of a massive complex of feelings of deprivation, rage, and anxiety.... An attempt is made to correlate the symptoms selected for special study with the patient's other prominent symptoms and character traits, notably her severe masochism and sleep-walking disturbance, and with the phenomena of normal sleep." —(L. N. Solomon)

8832. **Bruel, Oluf. Psychic trauma through the cinema—an illustrative case.** *Int. J. Sexol.*, 1953, **7**, 61-63.—A 15 year old female patient complained of a marked phobic anxiety alternating with periods of amnesia. The phobia consisted of fear of entering a certain watchmaker's shop. Both the phobia and the amnesia were due to the patient's seeing the movie "The Hunchback of Notre Dame," being "psychotrauma-

tized" by it, repressing the traumatic material, and becoming anxious when the traumatic material, actualized through association, re-enters consciousness as symptoms of anxiety and obsession.—(H. D. Arbitman)

8833. **Bychowski, Gustav. The structure of homosexual acting out.** *Psychoanal. Quart.*, 1954, **23**, 48–61.—The structure of homosexual acting out, as suggested by the presented observations, is outlined. "The basic prerequisite seems to be a weak ego structure based on the narcissistic and the prenarcissistic disposition. This accounts for the fact that... narcissistic projection plays an outstanding part in the choice of homosexual partners; they owe their high though transient value to their function as substitutes for the ego and the archaic parental images which were introjected early in life.... In terms of Freud's economic formulation we may say that the weak ego of these individuals is hard put to the task of binding the original instinctual energies and of transforming them into a potential of tonic energy available for secondary processes."—(L. N. Solomon)

8834. **Ekblad, Martin. Psychiatric follow-up study of women after legal abortion.** *Acta psychiat., Kbh.*, 1953, Suppl. 80, 162–167.—35% of these women became pregnant again against their wish within a short time. However the legal abortion was of inestimable help in many cases. Abortion gives rise to guilt feelings just as masturbation. In only 3 of 100 cases did the guilt feelings reduce working capacity. The risk of mental sequelae after legal abortion seems to be greatest in women who have earlier shown a neurotic tendency. Not until an easy and reliable contraceptive technique has been devised will it be possible to settle the problem of legal abortion.—(D. Prager)

8835. **Gerard, Donald L., & Kornetsky, Conan. A social and psychiatric study of adolescent opiate addicts.** *Psychiat. Quart.*, 1954, **28**, 113–125.—They (32) came from a variety of social backgrounds. The majority was reared by economically comfortable families, with middle class education and occupational status and goals. The addicts were schizophrenic, borderline, delinquent, or inadequate. They had no prolonged, close, or friendly relationship with peers or adults. Underlying problems were avoided or unconsciously denied. Opiates helped treat overt psychiatric symptomatology and gave regressive oral satisfactions. Long-range institutional psychiatric treatment is necessary.—(D. Prager)

8836. **Gibbins, Robert J.** (Alcoholism Research Found., Ontario, Can.) **Alcoholism in Ontario; a survey of an Ontario county.** *Quart. J. Stud. Alcohol*, 1954, **15**, 47–62.—In a county of 66,099 persons, 698 active abnormal drinkers were found, with 8 males for each female. 20 references.—(W. L. Wilkins)

8837. **Givens, Paul Ronald. The relationship of manifest anxiety to "perceptual defense."** *Dissertation Abstr.*, 1953, **13**, 1248–1249.—Abstract of Ph.D. thesis, 1953, Vanderbilt U.

8838. **Greenhouse, H. R.** (Yale U., New Haven, Conn.) **Treatment of the postintoxication state in alcoholics with mephenesin and other drugs.** *Quart. J. Stud. Alcohol*, 1954, **15**, 43–46.—For 69% of 941 alcoholics the drug stopped tremors and gastrointestinal symptoms promptly.—(W. L. Wilkins)

8839. **Hackl, K. Die Selbstschutzhaltung "Ich kann nichts dafür!"** (The defensive attitude "It is not my fault.") *Mensch u. Arbeit*, 1953, **5**(3), 14–18.—A frequently observed defensive attitude in handling disagreements is denial of one's own guilt and attachment of blame to others. Most often this defense can be attributed to the punitive parental attitudes experienced in childhood. In adulthood, blame-avoidance affords protection against threatening loss of security. The most constructive way of handling disagreements is to look for their real causes rather than deal with the effects.—(E. Schwerin)

8840. **Hirschfeld, Gerhard. Differential stimulation in anxiety.** *Conf. neurol.*, 1953, **13**, 306–308.—"The therapist has to decide whether the primary aim should be the strengthening of the repressive mechanism which can be accomplished by fourth stage electrotherapy, relief of excess emotional energy through an abreaction, or whether anxiety may be the sustained response to an external danger as part of an adaptive process. Non-convulsive stimulation is indicated in the latter conditions. If, however, anxiety is part of a normal biologic adaptation to an external stress, it can only be handled by psychotherapy."—(M. L. Simmel)

8841. **Izikowitz, S., Martens, S., & Dahlbom, L. On the cortisone treatment of alcoholism.** *Acta psychiat., Kbh.*, 1953, Suppl. 80, 175–180.—Cortisone has little or no effect on the blood alcohol concentration. However all but two of the symptoms of intoxication became much less noticeable. Having been exalted and active in the control, they were calm, drowsy, sleepy, and in some cases even slept during the last hours of the main test. Investigations concerning the clinical effects of cortisone in the conditions following and during alcoholic intoxication have so far been very encouraging; and similar results have not yet been achieved with any other treatment.—(D. Prager)

8842. **Laughlin, Henry P. King David's anger.** *Psychoanal. Quart.*, 1954, **23**, 87–95.—"King David's anger derives its name from the Biblical story of how David was led by a parable to perceive his own iniquity. The King David reaction is a complex psychological process which involves the unconscious employment of several mental mechanisms. These are primarily identification, projection, and rationalization. By their use, repressed self-condemnation and disapproval are transposed into feelings experienced subjectively as dislike for another person. The strength of these feelings may be poorly understood by the person concerned, who may explain them to himself or to others on the basis of ascribed attributes (projection) which then appear to be the basis for his condemnation and dislike, or even hatred."—(L. N. Solomon)

8843. **McCleary, Robert A. Measurement of experimental anxiety in the rat: an attempt.** *J. genet. Psychol.*, 1954, **84**, 95–108.—"An attempt to get a continuous measure of anxiety in a free-roaming rat is described. The apparatus . . . allowed the rat's heartbeat to be recorded electrically from the floor of the animal's cage. Some normative data are presented, including information on normal rate, basal rate, range of heart-rate, and the difficulty of acclimating the animal from the standpoint of his heart response. The main experimental findings indicate that, in the type of situations employed here, the heart-rate, unfortunately, affords a very dubious measure of anxiety." —(Z. Luria)

8844. **Nobre de Melo, A. L. Sonambulismo epiléptico.** (Epileptic somnambulism.) *Rev. Neuro-Psiquiat., Lima*, 1953, **16**, 272–285.—Somnambulic epileptic states are rare but conform to a clinical entity. This is shown in the case of an epileptic who manifested perseverative habits of talking in his sleep. In another case of somnambulism the etiology was apparently epileptic. The purpose of the present study was to focus attention to the possible epileptic etiology of somnambulism. English, French and German summaries. 21 references.—(R. M. Frumkin)

8845. **Prinsen, Hugolinus.** (Vorstadslaan 254, Nimwegen, Netherlands.) **Der frühkindliche Autismus; Versuch einer heilpädagogischen Behandlung.** (Early autism; experiment in educational therapy.) *Heilpädag. Werkbl.*, 1954, **23**, 2–11.—Autistic children in the pedagogic institute at Nimwegen are characterized by poor contact with others, difficulty in differentiating between "I" and "you," poor understanding of "emotional language," abnormal prolongation of interest in tactual experiences and awkward motor control. Absence of adequate provision of warmth and security by the mother from a very early age is noted in most of these children. In treating them the social and emotional life needs special stimulation. The establishing of a relationship to an adult is of primary importance and is fostered through persistent loving efforts by the adult.—(D. F. Mindlin)

8846. **Rosenberg, Lotte.** (Runwell Hosp., Wickford, Essex, Eng.) **Umweltseinflüsse im sensitiven Beziehungswahn.** (Environmental influences in sensitive ideas of reference.) *Z. Psychother. med. Psychol.*, 1954, **4**, 11–18.—Environmental influences which play a role in ideas of reference are described. In modern society, freer moral codes and less parental guidance lead to serious conflicts in people with "sensitive" character structures. Environmental problems of 4 patients are discussed. Treatment possibilities are mentioned.—(E. Ochs)

8847. **Schneiderman, Leo.** (VA Hosp., Lebanon, Pa.) **Anxiety and social sensitivity.** *J. Psychol.*, 1954, **37**, 271–277.—In this review the thesis is presented that anxiety, including neurotic behavior, is better understood as a reaction to direct social pressure, than as a consequence of internal conflict. Anxiety thus is put into concrete terms, and we can account for the socialization process without recourse to an idealized super-ego. It is also hypothesized that only those attitudes and behavioral forms will be learned that are rewarded within an immediate social context; as long as they exist mainly as unrewarded ideals they cannot become part of a permanent conscience.—(R. W. Husband)

8848. **Serodina, M. I. Èksperimental'no-klinicheskoe issledovanie sovmestnoĭ deĭatel'nosti pervoĭ i vtoroĭ signal'nykh sistem pri alkogol'nom delirii.** (Experimental clinical study of the joint activity of the first and second signal systems in cases of delirium tremens.) *Zh. vyssh. nervn. Deĭatel'.*, 1953, **3**(1), 98–118.—Conditioning and associative tests demonstrate the presence, in cases of delirium tremens, of a deep, diffuse inhibition as regards the second signal system. This inhibition exhibits protective aspects. Sleep therapy produces improvement of short duration in cortical activity.—(I. D. London)

8849. **Sjöhagen, Axel. Measures between inpatient and outpatient care for alcoholics.** *Quart. J. Stud. Alcohol*, 1954, **15**, 111–115.—Tried in Sweden have been several programs less strict than jailing, but more restrictive than routine outpatient visits, such as boarding alcoholics with families, operating small institutions in a district where alcoholics can be boarded, and hospices.—(W. L. Wilkins)

8850. **Stewart, David A. Empathy in the group therapy of alcoholics.** *Quart. J. Stud. Alcohol*, 1954, **50**, 74–110.—Illustrative excerpts from group sessions at the Crichton Royal, Dumfries, Scotland, show the sensitivity of the alcoholic to tension, and his childish, grandiose, impulsive, intolerant, and rationalizing tendencies. The active alcoholic is trying to communicate, to be friendly. It is necessary to solicit the patient's point of view and to hope that he will seek the therapist's.—(W. L. Wilkins)

8851. **Vernallis, Francis F. Teeth-grinding: some relationships to anxiety, hostility, and hyperactivity.** In *Pennsylvania State Univ., Abstracts of dissertations . . . 1953*, 1954, **16**, 590–592.—Abstract of Ph.D. thesis.

8852. **Wattenberg, William W., & Moir, John B. Counseling homeless alcoholics.** Lansing, Mich.: State Board of Alcoholism, 1954. 64 p.—For 770 men for whom counseling success or failure could be ascertained following counseling at the center operated by the Mayor's Rehabilitation Committee on Skid Row Problems, 70 met the criteria for success. Reported are factors related to success, to lack of success, behavioral items indicating effectiveness of the counseling, and general implications for research and for management of such counseling.—(W. L. Wilkins)

8853. **Wharton, Lyle Harrison. Effect of stress-produced anxiety on Rorschach, Draw-A-Person, and visual performance.** *Dissertation Abstr.*, 1953, **13**, 1268–1269.—Abstract of Ph.D. thesis, 1953, State U. Iowa.

8854. **Winkler, Walter Theodore, & Lensler, Anton. Beitrag zur Psychotherapie des Phantomschmerzes.** (Contribution to psychotherapy of phantom pain.) *Z. Psychother. med. Psychol.*, 1954, **4**, 1–11.—The case

history of an upper-arm amputee is described. The patient suffered intermittent pain and various symptoms over a 9-year period. He was treated medically and neurosurgically. Removal of phantom pain was finally achieved by confronting him with his reflection in a mirror. He experienced a marked emotional upset, a kind of psycho-catharsis. The man had apparently been unable to adapt to the loss and retained his original "personality schema" (E. Kretschmer) and his original orientation to life. 22 references.—(E. Ochs)

8855. **Yarrow, Leon J. The relationship between nutritive sucking experiences in infancy and non-nutritive sucking in childhood.** *J. genet. Psychol.*, 1954, **84**, 149–162.—From a longitudinal study on a group of 66 children, the author studied thumbsucking in relation to previous nutritive sucking experience. Length of time breastfed, and age of weaning as related to duration and severity of thumbsucking show no statistically consistent effects. Severer reaction to weaning was found in late weaned children then in early weaned children. Severity and duration of thumbsucking was significantly related to amount of time per feeding during age 1–6 months. Shortest feeding time was associated with severest and most persistent thumbsucking. 31 references.—(Z. Luria)

(See also abstract 8404)

Speech Disorders

8856. **Allman, Jeannette.** (Canton (O.) City Sch. Dist.) **Listing and evaluation of 16mm films on speech and hearing therapy topics.** Canton, O.: Author, 1954. 17 p. 40¢. (Mimeo.)—A classified, annotated listing of 52 films giving time, price, availability, and suitability.

8857. **Chenven, Harold. Effects of group therapy upon language recovery in predominantly expressive aphasic patients.** *Dissertation Abstr.*, 1953, **13**, 1247.—Abstract of Ph.D. thesis, 1953, New York U.

8858. **King, Paul T. Perseverative factors in a stuttering and a non-stuttering population.** In *Pennsylvania State Univ., Abstracts of dissertations... 1953*, 1954, **16**, 616–623.—Abstract of Ph.D. thesis.

8859. **MacLearie, Elizabeth C. The Ohio plan for children with speech and hearing problems.** Columbus, Ohio: Department of Education, 1953. 44 p.—Written to assist school administrators in the establishment of speech and hearing services, this bulletin shows the relationship of such services to the total speech education program and can serve as a guide to therapists in the development of well planned programs. Information for classroom teachers on types of speech and hearing difficulties and what they can do to help solve the problems is included.—(Courtesy of *Bull. Curr. Lit...Handicapped.*)

8860. **Schneider, Bernard, & Vallon, Jerome. A speech therapy program for mentally retarded children.** *Amer. J. ment. Defic.*, 1954, **58**, 633–639.—A program of speech therapy for retarded children developed at a parent-sponsored, non-profit school is described.—(V. M. Staudt)

8861. **Siegenthaler, Bruce M.** (Pennsylvania State Coll., State College.) **Perception of certain phonetic variables.** *Speech Monogr.*, 1954, **21**, 39–45.—Spectrograms were made to select words for experimental tests on 15 normal hearing and 42 hard of hearing subjects. Normals were not distinguished from non-normals in perception of phonetic variables of voicing of consonants, pressive pattern of consonants, or influence of consonants upon vowels. Subjects with middle and high frequency hearing loss were better able than normals to perceive differences in voicing, but less able to perceive words with unvoiced consonants. "A test for the phonetic variables considered does not measure the same dimensions of hearing as do pure tone audiograms, speech reception threshold, or otological evaluation." Photographs of spectrograms.—(D. Lebo)

Crime & Delinquency

8862. **Barron, Milton L.** (Cornell U., Ithaca, N. Y.) **The juvenile in delinquent society.** New York: Knopf, 1954. xix, 349, vii p. $5.00.—The 18 chapters are grouped into 3 parts, the first of which concerns the nature, definition, incidence, and social relations of delinquency. Nine chapters of Part II survey etiological factors and theories. The author devotes special attention to the etiological significance of certain values in American culture. In the last section on Societal Reactions to Delinquency, methods of detection, treatment, and control are dealt with. The approach to the problems of delinquency is primarily sociological although the author considers psychological aspects.—(C. M. Louttit)

8863. **Brunner, Josef.** (U. Freiburg, Switzerland.) **Schwererziehbare männliche Jugendliche im Rorschach—Formdeutversuch.** (A Rorschach study of recalcitrant adolescent boys.) Freiburg, Switzerland: Universitätsverlag, 1954. 195 p. S.Fr. 13.55. (*Arbeit. Psychol., Pädagog. Heilpädagog.* v. 4.)—Statistical and qualitative analysis of Rorschach protocols individually administered to 100 recalcitrant boys reflects the variety of behavioral problems encountered, the complexity of the concept "schwererziehbar," and the need for more specific diagnosis and remedial treatment. Rorschach indicators of intellectual function, affective responsiveness, social adjustment, and pathological syndromes are illustrated with 24 scored records. Comparative research studies and the special problems of adolescent thieves, runaways, and enuretics are considered. 94 references.—(H. P. David)

8864. **di Tullio, Benigno.** (U. Rome, Italy.) **La criminología en sus aspectos humanos y en sus finalidades éticas.** (Criminology as seen in its human aspects and ethical purposes.) *Rev. mex. Sociol.*, 1953, **15**, 331–361.—Criminology is considered in its relationships with penal justice, the science of personality, and the Christian doctrine. The emphasis throughout the discussion is upon the delinquent as

"the victim of conditions and circumstances which have impeded the indispensable degree of evolution to acquire the ability to act freely and to posses a constant mastery of natural imperfections...."—(E. Sánchez-Hidalgo)

8865. **Doctor, Richard F.** (Stanford U., Calif.), **& Winder, C. L. Delinquent vs. nondelinquent performance on the Porteus Qualitative Maze Test.** *J. consult. Psychol.*, 1954, **18**, 71–73.—Data indicate that the Porteus Maze Test effectively discriminates groups of delinquent boys from non-delinquent boys. The ability of the test to thus discriminate is tentatively explained on the basis that the test measures such personality variables as impulsivity, which is related to ego-control.—(F. Costin)

8866. **Dunham, Ralph E.** (Middle Tenn. St. Coll., Murfreesboro, Tenn.) **Factors related to recidivism in adults.** *J. soc. Psychol.*, 1954, **39**, 77–91.—Of many systematic comparisons of recidivists and non-recidivists only the following factors significantly discriminated the two groups: recidivists scored higher on the Depressive and Psychopathic Deviate factors on the M.M.P.I., had fewer siblings, received more punishments for rule violations while imprisoned, and scored higher on the Digits Span subtest of the Wechsler-Bellevue. "Combining the five significant factors according to standard scores resulted in a scale further differentiating between non-recidivists and recidivists." 41 references.—(J. C. Franklin)

8867. **Glueck, Bernard C., Jr. Psychodynamic patterns in the sex offender.** *Psychiat. Quart.*, 1954, **28**, 1–21.—102 felonious sex offenders were diagnosed without psychosis before trial or sentencing, clinical evidence to the contrary. Most of these patients showed relatively few of the traits listed by Cleckley as typical of the true psychopath. The common psychodynamic denominator is the disturbance of affective capacity manifesting itself in impoverished emotional relationships and a dampening in external attachments and interests. These sex offenders are properly diagnosed along the continuum from schizoadaptive personality structure, thru pseudoneurotic schizophrenia, pseudopsychopathic schizophrenia, and ambulatory schizophrenia to overt clinically demonstrable schizophrenic psychosis.—(D. Prager)

8868. **Kirby, Bernard Cromwell. A parole prediction study using the discriminant function.** *Dissertation Abstr.*, 1953, **13**, 1293–1294.—Abstract of Ph.D. thesis, 1953, U. Washington.

8869. **Lander, Bernard. Towards an understanding of juvenile delinquency: a study of 8,464 cases of juvenile delinquency in Baltimore.** New York: Columbia University Press, 1954. xvi, 143 p. $3.00.—The relation between social and economic data for Baltimore census tracts and the juvenile delinquency rates of these tracts based on 8,464 cases between 1939 and 1942 is studied and the data analysed by correlational and factor analytic methods. Relations between socio-economic factors and delinquency rates shown by zero order linear correlations are questioned. From his statistical analysis involving factor analysis and the recognition of curvilinear relations, the author finds that "social disorganization" or "anomie" is a basic factor in delinquency with a second, independent, factor, socio-economic in character, also operating. 48-item bibliography.—(C. M. Louttit)

8870. **Peto, Andrew. The interrelations of delinquency and neurosis: the analysis of two cases.** *Brit. J. med. Psychol.*, 1954, **27**, 1–14.—The characteristics and dynamics of two cases as revealed in the transference neurosis are reviewed in detail. Delinquent acts are explained as manifestations of regressive defenses in personalities characterized by severe super-ego and weak ego. Fundamentally, either extreme indulgence or rejection in the mother-child relationship are of "paramount importance in the aetiology of delinquency." Delinquency in adolescence may often be overcome because of the "libidinous wave inevitably stimulates the introjection of 'good' imagos." Implications for prevention and treatment are discussed.—(C. L. Winder)

8871. **Raevuori-Nallinmaa, Sole; Colliander, Nils-Olf; Paavilainen, Erkki; Strömberg, Elinor, & Torma, Saara. Adequate treatment and increased supervision of so-called criminal patients as preventive means.** *Acta psychiat., Kbh.*, 1953, Suppl. 80, 169–174.—Supervision of asylum patients should be more effective. Check-up over a period of sufficient length after discharge and effective control of cases liable to relapse. Mental examinations on lesser grounds than formerly should be permitted. Oligophrenics should be placed where psychogenic reactions can be eliminated as far as possible. The general public should be enlightened in matters concerning the mentally deficient in order to avoid secrecy and to ensure early care of those afflicted.—(D. Prager)

8872. **Rennert, Helmut.** (U. Jena, Germany.) **Psychiatrische Betrachtungen zum Inzest und seiner Verbreitung.** (Psychiatric observations on incest and its prevelance.) *Psychiat. Neurol. med. Psychol., Leipzig.*, 1954, **6**, 80–87.—Incest is presumed to occur much more frequently than court statistics indicate. The reasons for the apparent and probably real increase of incest in the post World War II period are considered. The author strongly urges psychiatric examination of all those accused of this crime and also of their victims. The majority of those apprehended reveal psychopathology on examination, but in cases which remain undetected, the perpetrators are likely of normal intelligence and living in ordinary social circumstances.—(C. T. Bever)

8873. **Roucek, Joseph S.** (U. Bridgeport, Conn.) **La sociología de la violencia.** (The sociology of violence.) *Rev. mex. Sociol.*, 1953, **15**, 399–413.—The following topics, among others, are briefly discussed: evaluation of violence, sociological principles related to violence, violence among persons, politics as a substitute of violence, deviations from accommodation norms, etc. Sociological theory of conflict, as stated by Jessie Bernard, remains in the same place where Simmel left it.—(E. Sánchez-Hidalgo.)

8874. **Ruiz-Funes, Mariano. Las crisis económicas y la delincuencia.** (Economic crises and delinquency.) *Rev. mex. Sociol.*, 1953, **15**, 391–397.—Economic insufficiency manifests itself in personal insufficiency. Every phenomenon of crisis, including the economic crisis, has inevitably a resonance in criminality.—(E. Sánchez-Hidalgo)

8875. **Zilboorg, Gregory. The psychology of the criminal act and punishment.** New York: Harcourt, Brace, 1954. xi, 141 p. $3.50.—Considers the nature and quality of the criminal act, aggression and transgression, some sources of the drive to punish, the deterrent effect and other aspects of punishment, some differences in professional psychology of the law and medical psychology, and some suggestions about psychiatry and psychiatrists.—(A. J. Sprow)

(See also abstract 8719)

PSYCHOSES

8876. **Almborg, Inga. Diagrams and laboratory results concerning some cases treated with ACTH and cortisone.** *Acta psycbiat., Kbb.*, 1953, Suppl 80, 111–115.—ACTH produced eosinopenia and decreased lymphocytes. Cortisone increased the blood sugar. No other pathological lab results. 17 keto-steroid values were also determined. ACTH-cortisone therapy produced no complications. One case is cited where ACTH-cortisone therapy attained the same good effect as did electric shock-insulin therapy.—(D. Prager)

8877. **Bonay, Ralph S. Preferred approach to paranoid states with prolonged non-convulsive electroshock stimulation.** *Conf. neurol.*, 1953, **13**, 354–361.—"Prolonged electro-stimulation has been shown to be a serviceable adjuvant to therapy for the amelioration of certain psychoses. Its effectiveness has been especially striking in the exposure and dissolution of paranoid states—a psychopathological area in which shock therapies have failed. The most dramatic phase of the treatment is its effect of producing an efflorescence of the paranoid trend with reactive excitation."—(M. L. Simmel)

8878. **Caudill, William, & Stainbrook, Edward. Some covert effects of communication difficulties in a psychiatric hospital.** *Psycbiatry*, 1954, **17**, 27–43.—The multiple sources of problems with patients in a psychiatric hospital are discussed with reference to the circle of communication within the hospital society. The effects of the therapeutic progress of one patient and of an administrative decision are described as examples to demonstrate the adverse effect upon patients of failures in staff communication. The importance of social and cultural factors in the environment have been recognized but have only slowly been integrated into the organized knowledge underlying therapeutic approaches.—(C. T. Bever)

8879. **Cima, V., & Meucci, M. La visione dei colori negli schizofrenici.** (Colour vision in schizophrenic patients) *Riv. oto-neuro-oftalm.*, 1953, **28**, 241–250.—(See *Ophthal. Lit.*, 1953, **7**(3), abs. 1214.)

8880. **Coleman, James C., & Hellman, Leon I.** (U. California, Los Angeles.) **An experimental evaluation of the relative effectiveness of insulin coma and electronarcosis therapies with schizophrenic patients: I. Two weeks after treatment.** *J. Psycbol.*, 1954, **37**, 243–249.—This study explores the comparative effectiveness of insulin coma and electronarcosis therapies in comparable patient groups by means of psychological tests and psychiatric evaluations. 60 male psychotic veterans were chosen on basis of: paranoid schizophrenia, under 40, psychosis less than two years, no prior shock treatment, and psychiatric recommendation of shock. ICT treatment was followed by improvement on tests, EN by losses. Most marked improvement occurred in new learning, old learning, perception, verbal and general intelligence. Psychiatric evaluations disclosed no significant difference between the two treatments.—(R. W. Husband)

8881. **David, Henry P.** (U. Pittsburgh, Pa.) **A critique of psychiatric and psychological research on insulin treatment in schizophrenia.** *Amer. J. Psycbiat.*, 1954, **110**, 774–776.—"After twenty years of research with insulin treatment in schizophrenia the published evidence is inconclusive and contradictory. Wide variations in remission and recovery have been reported but the number of published control studies is meagre. Psychological tests yield no definitive data on prognosis or the effects of treatment. Insulin treatment in schizophrenia continues to pose a major challenge to research."—(N. H. Pronko)

8882. **Delgado, Jose M. R., Alexander, Leo, & Hamlin, Hannibal.** (Yale U., New Haven, Conn.) **Effects of electroshock on the cortical and intracerebral electroactivity of the brain in schizophrenic patients.** *Conf. neurol.*, 1953, **13**, 287–294.—Bilaterally symmetrically implanted intracranial electrodes were used to record the electrical activity of the frontal areas, including motor areas after electroshock therapy and after minimal non-convulsive current applied through bifrontal scalp electrodes in 2 schizophrenic patients. Electro-convulsive shock alters the electrical activity of various parts of the frontal lobes in proportion to their proximity to the pathway of current distribution between the electrodes. A minimal non-convulsive stimulating current applied through bifrontal extracranial electrodes can be recorded from cortex and subcortical prefrontal white matter close to the plane of application of the electrodes but not from motor or premotor areas. 17 references.—(M. L. Simmel)

8883. **Dimberg, Rune. Experiments with ACTH and cortisone therapy in schizophrenia.** *Acta psycbiat., Kbb.*, 1953, Suppl. 80, 102–110.—Hormonal conditions determine certain psychic processes. Psychic changes brought about by cortisone are very similar to those brought about by ACTH. Cortisone plus electric shock gives a more complete remission than electric shock alone or electric shock plus insulin coma.—(D. Prager)

8884. **Hedenberg, Sven. Concerning confusion as a diagnostic differentiator between schizophrenia and schizophreniform states.** *Acta psycbiat., Kbb.*, 1953,

Suppl. 80, 42-48.—Contrary to all the findings since Bleuler, confusion may be found in schizophrenia as well as in schizoform conditions. Exogenic and oneiroid confusion are described. Either state may or may not develop into endogenic schizophrenia.—(D. Prager).

8885. **Jacobowsky, Bernhard. Experiences from clinical psychiatry with special reference to general and methodological viewpoints.** *Acta psychiat., Kbh.*, 1953, Suppl. 80, 86-101.—The slight endogenous, non-psychotic depression is beyond comparison the commonest endogenous psychic affection with which one has to do at the psychiatric department of a general hospital, and probably the commonest of all endogenous psychic disturbances existing. This biologically conditioned disease requires in the first place somatic, biological therapy. Psychotherapeutic measures are needed for the neurotic complications. 26 references.—(D. Prager)

8886. **Jensen, Egill 1334 cases of psychoses treated with insulin coma or summation therapy.** *Acta psychiat., Kbh.*, 1953, Suppl. 80, 129-134.—Schizophrenic recovery can never be produced by insulin treatment. However insulin treatment has its place in conjunction with other forms of therapy. None of the hebephrenics showed complete remission. 15% of the catatonics and 20% of the paranoids showed complete remission following either insulin or combined insulin and electric shock treatment.—(D. Prager)

8887. **Langfeldt, Gabriel. The insulin tolerance test in mental disorders.** *Acta psychiat., Kbh.*, 1953, Suppl. 80, 189-200.—Contrary to Meduna, this test cannot be used to distinguish schizophrenia from psychosis resembling schizophrenia. The pathological reaction to insulin is as a rule changed after cardiazol or electro-shock treatment if a recovery takes place. A pathological increase of insulin tolerance cannot be considered as typical of a particular type of psychosis.—(D. Prager)

8888. **Langfeldt, Gabriel. Some points regarding the symptomatology and diagnosis of schizophrenia.** *Acta psychiat., Kbh.*, 1953, Suppl. 80, 7-26.—Basic symptoms of the schizophrenic are: specific associative disturbances, primary delusions, specific experiential anomalies, consciousness of passivity and anomalies of the will, specific forms of hallucinosis, specific psychomotor anomalies, and specific emotional disturbances. These basic symptoms are not regularly found in all sub-forms of schizophrenia. In reaching a diagnosis, the main stress should be laid on the prepsychotic personality change, the absence of obvious external factors, and the presence of basic symptoms. Schizophrenia is to be distinguished from all schizophreniform psychoses.—(D. Prager)

8889. **Levy, Sol.** (Eastern State Hosp., Medical Lake, Washington.) **Intravenous alcohol and early electroshock in the treatment of exhaustion due to mental disorder.** *Conf. neurol.*, 1953, **13**, 339-349.—On the basis of his experience with 182 cases the author discusses a combination of intravenous alcohol and early electroconvulsive shock in the treatment of exhaustion due to mental disorder. "This type of treatment proved to be much superior to everything that has been proposed in the past, and lowered to almost zero the mortality rate from the exhaustion syndrome."—(M. L. Simmel)

8890. **Lingjaerde, Ottar. Adrenocortical functions in the insane.** *Acta psychiat., Kbh.*, 1953, Suppl. 80, 202-216.—Excretion of 17-ketosteroids in the urine of insane patients did not essentially differ from the normal. This excretion increases after insulin and thyroxin treatment, increases or decreases after shock treatment, and increases after ACTH. 69% of patients reacted normally to adrenalin, 93% reacted normally to ACTH, whereas only 37% reacted normally to insulin. 34 references.—(D. Prager)

8891. **Malamud, William. Research in schizophrenia.** *Dig. Neurol. Psychiat.*, 1954, **22**, 101.—Abstract.

8892. **Ødegård, Ørnulv. Marriage and mental health.** *Acta psychiat., Kbh.*, 1953, Suppl. 80, 153-161.—The incidence of psychoses remains low in the widowed. Psychotic or pre-psychotic personality traits and not the marital condition represent the primary factor in the relation between marriage and psychosis.—(D. Prager)

8893. **Park, Paul David. The performance of normal and schizophrenic adult males on the Thematic Apperception Test in terms of: transcendent reactions; categorized affectivity; and verbal enumeration.** *Dissertation Abstr.*, 1953, **13**, 1262.—Abstract of Ph.D. thesis, 1952, Yeshiva U.

8894. **Parland, Oscar. Some views on sexual factors in the pathogenesis of schizophrenia.** *Acta psychiat., Kbh.*, 1953, Suppl. 80, 60-66.—60 Finnish schizophrenics showed difficulties mostly of a sexual character. The sexual difficulties existed years before the schizophrenia broke out. Schizophrenic sexuality is auto-erotic and the struggle against masturbation usually occupies the very center of the sexual conflict, often ever since puberty. Sexual tension is constantly higher in the preschizophrenic and acute schizophrenic than in the normal. Incestuous fixation to parents and brothers is not uncommon. Infantile fixation to mother is prominent. The most prominent feature of schizophrenic sexuality is its pronounced bisexual character. Another characteristic of schizophrenic sexuality is the highly aggressive component which forms a part of it.—(D. Prager)

8895. **Rotondo, Humberto. Actitudes de esquizofrénicos con respecto a la vida y a la muerte.** (Attitudes of schizophrenics toward life and death.) *Rev. Neuro-Psiquiat., Lima*, 1953, **16**, 324-332.—The attitudes toward life and death were studied in 40 schizophrenics of various types. In stress situations patients showed a predominance of positive attitudes toward life and a tendency toward self-preservation. Their attitudes toward death differed little from normal people. The fact that there is an affirmation of life among many schizophrenics reveals that the conservation of normal and constructive potentialities does

exist among them. English, French, and German summaries.—(R. M. Frumkin)

8896. **Runeberg, Johan. Modern viewpoints on the symptomatology and diagnostics of schizophrenia.** *Acta psychiat., Kbh.*, 1953, Suppl. 80, 27–42.—We are not in a position to decide at present to what extent constitutional or psychogenic factors will be interpreted in the future as being most decisive for the type and variety of a schizophrenic psychosis. One will start from the premise that true schizophrenia will fail to respond to routine methods such as shock therapy, psychotherapy, and analytical therapy in so far as they will not affect the schizophrenic process itself. It is as yet impossible to adopt the ultimate point of view regarding the possible existence of a disease entity, schizophrenia; hence the word schizophrenia should be used only in a descriptive sense like depressive or paranoid.—(D. Prager)

8897. **Schwartz, Charlotte Green. Rehabilitation of mental hospital patients.** *Publ. Hlth Monogr.*, 1953, No. 17. vi, 70 p. 45¢ (U. S. Publ. Hlth Serv. Publication No. 297.)—"In this review an attempt has been made to assess the nature of current literature in the field of the rehabilitation of mental hospital patients by analyzing the range of activities which comprise the area of rehabilitation. Those activities which offer greatest promise for reintegrating the mental patient into a community have been indicated; the findings of a variety of studies concerned with this problem have been presented; and some areas and problems in which further investigation profitably might be pursued have been identified." 190-item bibliography. —(C. M. Louttit)

8898. **Singer, Jerome L.** (Franklin D. Roosevelt VA Hosp., Montrose, N. Y.), **& Spohn, Herbert E. Some behavorial correlates of Rorschach's experience-type.** *J. consult. Psychol.*, 1954, **18**, 1–9.—"It was hypothesized that schizophrenics producing several *M* percepts would show greater tendency to inhibit overt motor response than a comparable group which produced few *M*. Similarly schizophrenics with introversive experience—types were expected to show more motor inhibition and less spontaneous gross motor activity during a waiting period than extratensive *S*'s." In general, these hypotheses were supported by data obtained from 50 hospitalized male schizophrenics. 23 references.—(F. Costin)

8899. **Sjöbring, H. The schizophrenic syndrome.** *Acta psychiat., Kbh.*, 1953, Suppl. 80, 49–51.—Splitting, stiffness, shutting in (autism), and blunting (apathy) are the basic schizophrenic symptoms. Other related symptoms are called xenophrenic as they involve experiencing an alien influence. The cause of the schizophrenic lesion is an increased vulnerability of nervous tissue. Heredity plays a part. All people are more or less vulnerable.—(D. Prager)

8900. **Stevenson, J. A. F., Metcalfe, E. V., & Hobbs, G. E.** (Westminster Hosp., London, Ont.) **Eosinophile response in schizophrenic patients; influence of the diurnal cycle and the type of schizophrenia.** *A.M.A. Arch. Neurol. Psychiat.*, 1953, **70**, 802–812.—Eosinophile counts made before and after administration of epinephrine or corticotropin to 30 schizophrenic patients were found greater in the afternoon than in the morning. Catatonics (11 cases) showed relatively normal reactions to the drugs, although decreases were greater than normal on control tests. Paranoids (12 cases) exhibited significantly smaller reactions under test conditions, although in control periods the counts were normal. Results "provide . . . evidence that the adrenocortical system is hypoactive and hyporeactive in paranoid schizophrenia and perhaps hyperreactive in the catatonic." This finding may be helpful in reconciling conflicting reports on adrenocortical function in schizophrenia.—(L. A. Pennington)

8901. **Stjernberg, Fredrik. Results of treatment with ACTH and cortisone in depressed patients.** *Acta psychiat., Kbh.*, 1953, Suppl. 80, 116–121.—In 25 patients one showed A-V block and one showed pneumonia. In 30% of cases previously resistant to therapy, response was favorable when the electroshock was preceded by ACTH or by cortisone. It is not known whether these cases were ready to improve spontaneously or not. 20 references.—(D. Prager)

8902. **Sydow, Donald Wayne. A psychometric differentiation between functional psychotics and non-psychotics with organic brain damage.** *Dissertation Abstr.*, 1953, **13**, 1267.—Abstract of Ph.D. thesis, 1953, U. Minnesota.

8903. **Takahashi, Yasuo, & Ogushi, Toshimasa.** (Niigata U., Japan.) **On bio-chemical studies of schizophrenia. Report I. An enzymological study on brain tissue and serum of schizophrenic patients. Choline esterase.** *Folia psychiat. neur. jap.*, 1953, **6**, 244–261.—Choline esterase activity was studied in the blood serum and fresh cerebral cortex of various groups of mental patients. No significant difference was found in the serum choline esterase of schizophrenics as compared to the other groups, although the values for the catatonics were somewhat lower than the rest. Nor was there any significant difference between choline esterase activity in fresh excised cortical tissue of schizophrenics and other patients. Among the schizophrenics the higher values are obtained from paranoid and "demence form," with catatonics next and hebephrenics running low. 35 references.—(M. L. Simmel)

8904. **Tulane University. Department of Psychiatry and Neurology. Studies in schizophrenia: a multidisciplinary approach to mind-brain relationships.** Cambridge, Mass.: Harvard University Press for the Commonwealth Fund, 1954. xiv, 619 p. $8.50.—A group of 58 participants met in New Orleans from June 11 to June 13, 1952, to discuss studies in schizophrenia conducted by the Department of Psychiatry and Neurology of the Tulane University School of Medicine. This monograph is essentially a transcript of those meetings. The basic concept of the related studies concerns the assumption of hypothetical facilitatory and inhibitory circuits in the brain that facilitate mental and bodily activity. Experiments on

infra-human as well as human subjects are believed to substantiate such a hypothesis. Physiologic, biochemical, psychologic, and clinical data are presented in this connection. A final section includes discussion by the conference participants.—(N. H. Pronko)

8905. **Vinogradov, N. V., & Reĭser, L. A. Opyt ėksperimental'nogo issledovaniĭa vzaimodeĭstviĭa pervoĭ i vtoroĭ signal'nykh sistem u shizofrenikov v sviăzi s klinicheskim techeniem bolezni.** (Experimental study of the interaction of the first and second signal systems in schizophrenics as related to the clinical course of the disease.) *Zb. vyssh. nervn. Deĭatel'.*, 1953, **3**(1), 77–91.—"Schizophrenics at the height of their psychotic state exhibit a disturbance in the interaction of the first and second signal systems, to be observed in the form of disappearance of elective irradiation in the course of the pathophysiological experiment employing the method of speech reinforcement." Upon remission "elective irradiation" is reestablished either fully or partially.—(I. D. London)

(See also abstracts 8755, 8795)

PSYCHONEUROSES

8906. **Chodoff, Paul. A re-examination of some aspects of conversion hysteria.** *Psychiatry*, 1954, **17**, 75–81.—Some reasons for the decrease and the lessened recognition and study of conversion hysteria are set forth. The reciprocal relationship between anxiety and conversion, assumed in Freud's first libido theory, appears untenable in the light of newer theories of anxiety. The mechanism of denial is suggested as an additional factor in the production of la belle indifference. Dissociated hostile impulses, alone or in association with erotic or dependent components, contribute to the repressed material.—(C. T. Bever)

8907. **Kupalov, P. S. Ob ėksperimental'nykh nevrozakh u zhivotnykh.** (On experimental neuroses in animals.) *Zb. vyssh. nervn. Deĭatel'.*, 1952, **2**(4), 457–473.—Theory and experimental data on experimental neuroses are discussed. Neuroses in animals can be developed under "conditions of free movement." Experimental neuroses are the "result of a lack of correspondence between the labilities of the nervous processes of excitation and inhibition."—(I. D. London)

8908. **Marui, Kiyoyasu.** (Hirosaki U., Japan.) **Psychoanalytical investigation of hystero-epilepsy.** *Folia psychiat. neur. jap.*, 1953, **6**, 231–235.—3 cases of hystero-epilepsy are presented and discussed in the light of Stekel's theory of pseudo-epilepsy. The author believes that the underlying conflict does not center about criminal acts.—(M. L. Simmel)

8909. **Terayama, Koichi, & Yoshikawa, Hiroo.** (Niigata U., Japan.) **A case of sleep paralysis.** *Folia psychiat. neur. jap.*, 1953, **6**, 263–265.—A male patient, age 19, is presented who suffered from recurrent attacks of paralysis occurring while the patient was drowsy or asleep. Psychotherapeutic investigation revealed an adolescent fantasy of an imaginary companion. The author points to a homosexual conflict as the underlying disturbance.—(M. L. Simmel)

(See also abstract 8795)

PSYCHOSOMATICS

8910. **Abrams, Ruth D., & Finesinger, Jakob E. Guilt reactions in patients with cancer.** *Cancer*, 1953, **6**(3), 474–482.—Feelings of guilt were present in 93% of a series of 60 unselected patients with cancer. Feelings of guilt were responsible to a marked extent for the patient's delay in seeking medical attention; for stimulating attitudes or feelings of inferiority, inadequacy, dependency and rejection; and for inhibiting the patients' ability to communicate. Feelings of guilt could be relieved by giving patients, members of their families, and the professional persons caring for them an opportunity to discuss thoroughly this reaction.—(Courtesy of *Biol. Abstr.*)

8911. **Bacon, Catherine L. Psychoanalytic observations on cardiac pain.** *Psychoanal. Quart.*, 1954, **23**, 7–19.—"Cardiac pain can arise when, in a patient's unconscious, receptive impulses conflict with combative ones or with anxiety." When anabolic type circulation with vagal preponderance is suddenly disturbed by rage or fear, or both, the increased sympathetic stimulation interferes with the vegetative balance. "This can result in a functional disturbance of the heart which may lead to ischemia and cardiac pain. Psychoanalytic data are given to illustrate such emotional reactions." Psychotherapy is discussed from this point of view.—(L. N. Solomon)

8912. **Chernorutskiĭ, M. V. O kortiko-visfseral'nom patogeneze fazvennoĭ bolezni.** (On the cortico-visceral pathogenesis of ulceration.) *Zb. vyssh. nervn. Deĭatel'.*, 1953, **3**(1), 17–35.—An experimental study of patients suffering from ulcers attests to the psychosomatic nature of the condition and the usefulness of sleep therapy under certain conditions. —(I. D. London)

8913. **Deutsch, Felix.** (Boston (Mass.) Psychoanalytic Institute.) **Psychoanalysis and psychosomatic medicine.** *Annu. Surv. Psychoanal.*, 1952, **1**, 179–199.—The papers summarized in this chapter represent current trends in psychoanalytic research and thinking about psychosomatic concepts. They show that "the major part of analytic investigation still centers in the direction of psychogenicity of medically defined disease entities. However,...analytic investigators are now turning their attention to basic physiologic and pathological phenomena as well as to motor-sensory behavior patterns during the analytic session." The contents of the papers reviewed fall into the following areas: (1) general concepts; (2) specific symptomatologies; (3) therapy.—(F. Costin)

8914. **Dreyfuss, F., & Feldman, S.** (Hebrew U. Hadassah Med. Sch., Jerusalem, Israel.) **Eosinopenia induced by emotional stress.** *Acta med. scand.*, 1952, **144**(2), 107–113.—Total eosinophil counts taken from 31 medical students immediately before

entering upon oral exams revealed an average drop of 44% as compared with post-exam counts taken, in most cases, 24 hours later. A low count persisted in some individuals after the exams. In a group of 10 women admitted for diagnostic curettage of the uterus the pre-operation counts averaged 42% below the post-operation counts. Emotional stress is believed to be the cause of the eosinopenia in the two groups. Possible use of eosinophil counts as a measure of emotional stress in disease is discussed.—(Courtesy of *Biol. Abstr.*)

8915. **Feigenbaum, A. Psychogenic factors in disturbances of the visual organ in the light of psychoanalysis.** *Acta med. or., Tel-Aviv*, 1953, **12**, 209–217.—(See *Opbtbal. Lit.*, **7**(3), abs. 1822.)

8916. **Finkel, M. Eye problems and psychological disturbance.** *Brit. J. physiol. Optics*, 1953, **10**, 100–103.—(See *Opbtbal. Lit.*, 1953, **7**(3), abs. 1277.)

8917. **Jackson, Katherine; Winkley, Ruth; Faust, Otto A., Cermak, Ethel G., & Burtt, Marjorie Murray. Behavior changes indicating emotional trauma in tonsillectomized children.** *Pediatrics*, 1953, **12**, 23–28. —140 children were studied before, immediately after, and 3 months following tonsillectomy to determine any behavior changes indicative of emotional trauma. 91% were benefited or not seriously affected. 13 children exhibited behavior indicative of emotional trauma. Children treated with consideration of possible emotional trauma showed less evidence; those who had suffered previous emotional trauma showed more.—(M. C. Templin)

8918. **Kleinsorge, Hellmuth. Funktioneller Morbus Addison nach psychischem Trauma.** (Functional Addison's disease after a psychic trauma.) *Z. Psychother. med. Psychol.*, 1954, **4**, 18–21.—Clinical observations on a case of acute Addison's disease are presented. Psychic etiology and the course point toward a purely functional disturbance; an inadequate endocrine system represents the locus minoris resistentiae.—(E. Ochs)

8919. **Lorenz, Thomas H., & Musser, Marc J.** (U. Wisconsin Med. Sch., Madison.) **Life stress, emotions and painful stiff shoulder.** *Ann. int. Med.*, 1952, **37**(6), 1232–1244.—60 of 300 patients seen in psychosomatic consultation complained of pain and stiffness in the shoulder or adjacent bodily structures. In general, the physical findings were compatible with a diagnosis of subacromial bursitis or contracted shoulder. X-ray of the shoulders revealed aberrant calcification in 5 of the 60 patients in the series. From this study it is concluded that certain types of emotional disturbances are important factors in the development and course of the painful, stiff shoulder syndrome. As a possible mechanism it is suggested that increased muscle tension, secondary to emotional stress, imposes a resistance to voluntary muscular activity and thus contributes to local tissue injury in the vulnerable shoulder joint.—(Courtesy of *Biol. Abstr.*)

8920. **Mĭasnikov, A. L. Patogenez i terapiĭa gipertonicheskoĭ bolezni v svete ucheniĭa I. P. Pavlova.** (Pathogenesis and therapy of hypertension in the light of I. P. Pavlov's theory.) *Zb. vyssb. nervn. Deĭatel'.*, 1953, **3**(1), 55–70.—A discussion of the rise of hypertension and the comparative merits of various therapeutic procedures is provided within the framework of Pavlovian theory.—(I. D. London)

8921. **Moldawsky, Patricia Corcoran. A study of personality variables in patients with skin disorders.** *Dissertation Abstr.*, 1953, **13**, 1260–1261.—Abstract of Ph.D. thesis, 1953, State U. Iowa.

8922. **Pesce, Hugo, & Montoya, Raúl. Psicosis sintomática en el tratamiento de leprosos con sulfonas.** (Symptomatic psychosis in the treatment of lepers with sulphones.) *Rev. Neuro-Psiquiat., Lima*, 1952, **15**, 211–227.—Among the 377 lepers treated with diamine-diphenil-sulphone (D.D.S.) and its derivatives at the San Pablo Colony in Loreto, Peru, 9 developed psychiatric disturbances. Detailed case histories of these 9 cases are presented. Modifications of consciousness occurred in 6 cases; and irritability, minor disturbances, and convulsions were observed in 3 cases.—(R. M. Frumkin)

8923. **Platt, Henry. Adaptive aspects of hospitalized tuberculous veterans as revealed on psychological tests.** *Dissertation Abstr.*, 1953, **13**, 1263.—Abstract of Ph.D. thesis, 1952, Yeshiva U.

8924. **Reznikoff, Marvin. Psychological factors in breast cancer: an exploratory study of some personality trends in breast cancer patients.** *Dissertation Abstr.*, 1953, **13**, 1250–1251.—Abstract of Ph.D. thesis, 1953, New York U.

8925. **Saltzman, Sidney S. An investigation of certain psychological aspects of personality in three allergic groups.** *Dissertation Abstr.*, 1953, **13**, 1251.—Abstract of Ph.D. thesis, 1953, New York U.

8926. **Sigl, August. Psyche und psychisch ausgelöste Spannungen im Krankheitsgeschehen.** (Psyche and psychically-elicited tensions in the disease process.) *Z. Psychother. med. Psychol.*, 1954, **4**, 33–39.—After giving his definitions of soul and psyche, Sigl briefly discusses a clear-cut instance of physical manifestation resulting from psychic tension, i.e. fainting in face of unbearable events. Psychic tensions appear to disturb vegetative functions bringing about dysfunction or disease. As further illustration, origin and treatment of stomach ulcers are considered. Reference is made to the work of Gutzeit, Kretschmer, Schuster and Bühler, and Brun. A case of bronchial asthma successfully treated only when psychotherapy was applied is cited. Yoga experiments also demonstrate the possibility of influencing the body by psychic means.—(E. Ochs)

8927. **Sirmay, Elizabeth A. The role of psychotherapy in allergy. Credits and debits.** *Calif. Med.*, 1953, **78**(5), 456–458.—In the treatment of patients with allergic disease, dealing with emotional problems is considered as adjunctive to specific desensitization.—(Courtesy of *Biol. Abstr.*)

8928. **Swartz, Harry. The allergic child.** New York: Coward-McCann, 1954. xvii, 297 p. $3.95.—Surveys of the age distribution of allergic conditions

show clearly that allergy is a common condition in the early years of life and that the greater percentage of allergy develops early in childhood. The author stresses the importance of prompt diagnosis and treatment of such conditions. Neglect can result not only in permanent physical damage but also in distortions of emotional and mental development of the child. Such aspects of the problem as the genesis of allergic conditions, their manifestations in the child, related behavior problems, and medical treatment are discussed, as well as suggestions for over-all treatment of the allergic child.—(M. F. Fiedler)

8929. **Young, Florene M., & Collins, John J.** (U. Georgia, Athens.) **Results of testing Negro contact-syphilitics with the Wechsler-Bellevue Intelligence Scale.** *J. soc. Psychol.*, 1954, **39**, 93–98.—Results according to Wechsler norms indicate that the syphilitic group is Borderline, the mean IQ being 68, and that the control group is Dull Normal with a mean IQ of 81. The author doubts that "the Wechsler norms apply to the control subjects, who apparently were normal according to their cultural and socio-economic standards. Statistically significant differences exist between the syphilitic and non-syphilitic groups on Full Scale, Verbal Scale, and Performance Scale IQ's. The causes of the differences are yet to be identified."—(J. C. Franklin)

CLINICAL NEUROLOGY

8930. **Battersby, William S., Krieger, Howard P., Pollack, Max, & Bender, Morris B.** (Mount Sinai Hosp., New York.) **Figure-ground discrimination and the "abstract attitude" in patients with cerebral neoplasms.** *A.M.A. Arch. Neurol. Psychiat.*, 1953, **70**, 703–712.—Administration of Gottschaldt's figure-ground visual discrimination test, a Weigl type of sorting test and Wechsler's Form I scale to 40 patients with cerebral neoplasms and to 24 controls with generalized increased intracranial pressure or with idiopathic intracranial hypertension, showed that the incidence and severity of group defects on the tests were about the same regardless of the locus of the cerebral lesion. Test performances of the control group were superior to those by the experimental. The results suggested that "intellectual deficits may be produced by lesions in any portion of the cerebral hemispheres." 25 references.—(L. A. Pennington)

8931. **Bergman, Philip S.** (New York U.), **Stroo, Hans H., & Feinstein, Rhoda. Mental and electroencephalographic changes following intravenous barbiturates in organic diseases of the brain.** *Amer. J. Psychiat.*, 1954, **110**, 770–773.—Mental stage and EEG changes induced by intravenous barbiturates were simultaneously compared in subjects with and without organic brain disease. Disorientation following injection was not observed in normal subjects and the EEG's were the same as those observed by others. In subjects with structural lesions and normal records, although disorientation often followed the drug, EEG changes were not different from those of the controls. The mental state did not parallel the state of the EEG, possible reasons for which are discussed.—(N. H. Pronko)

8932. **Bice, Harry V. Some factors that contribute to the concept of self in the child with cerebral palsy.** *Ment. Hyg., N. Y.*, 1954, **38**, 120–131.—A report of "some of the developing concepts of personality as the cerebral palsy individuals themselves reveal them, and to suggest modifying factors and further studies." Bice reviews some of the observed alterations in body image concepts, evidence of guilt, shame or of feeling different from their peers, appreciation of attention-getting values associated with disabilities resulting from cerebral palsy. The responsibility of peers, parents and professional workers in creating or emphasizing the child's handicaps are called to our attention and particular emphasis placed upon the high frequency of negative attitudes expressed by the parents.—(M. A. Seidenfeld)

8933. **Block, William Ellis. A study of somatopsychological relationships in cerebral palsy children.** *Dissertation Abstr.*, 1953, **13**, 1254–1255.—Abstract of Ph.D. thesis, 1953, New York U.

8934. **Fuster, B., Castells, C., & Rodriguez, B. Psychomotor attacks (primary automatisms) of subcortical origin.** *A.M.A. Arch. Neurol. Psychiat.*, 1954, **71**, 466–472.—2 case reports are presented to indicate that primary automatisms can be aroused by "epileptic discharges originating in silent cortical areas (temporal and frontal) and in subcortical silent areas—some related to the temporal lobes and others responsible for the petit mal attacks."—(L. A. Pennington)

8935. **Gleason, Walter James. Rigidity and negative transfer effects in patients with cerebral damage.** *Dissertation Abstr.*, 1953, **13**, 1274.—Abstract of Ph.D. thesis, 1953, Northwestern U.

8936. **Goldenberg, Samuel. Some aspects of diagnosis of cerebral damage in children.** *Dissertation Abstr.*, 1953, **13**, 1259.—Abstract of Ph.D. thesis, 1953, U. Washington.

8937. **Jarvie, Hugh F.** (Radcliffe Infirmary, Oxford, Eng.) **Frontal lobe wounds causing disinhibition. A study of six cases.** *J. Neurol. Neurosurg. Psychiat.*, 1954, **17**, 14–32.—"6 cases of penetrating brain wound are described in which disinhibition appeared after involvement of the frontal lobes. It has been shown that disinhibition is a separate disturbance of function which need not necessarily be associated with other disturbances described as part of the frontal lobe syndrome. In most cases the patients are aware of the change in their personality due to the disinhibition, but can only exert minimal control over the new behaviour pattern.—(M. L. Simmel.)

8938. **Kurosawa, Ryosuke, & Kagami, Tomoo.** (Mie Med. Coll., Tsu, Japan.) **A clinical stimulation test through slowly increasing currents; a pathophysiologic research of epilepsy.** *Folia psychiat. neur. jap.*, 1952, **6**, 212–220.—Electrical stimulation with slowly increasing current was carried out on nerve

and muscle of 10 randomly selected epileptics and 10 normal and neurotic controls. Hill's time constant of accommodation increased in muscle in epileptics during the preparoxysmal period and was reduced after convulsions. Sodium bicarbonate, hyperventilation and cardiazol all produced greater changes in the muscle threshold of epileptics than of normals. —(M. L. Simmel)

8939. **Maher, Brendan A.** (U. Illinois, Urbana.), **& Martin, Anthony W. Mosaic productions in cerebroarteriosclerosis.** *J. consult. Psychol.*, 1954, **18**, 40–42.—Data indicate "there is a meaningful relationship between the presence of cerebral arteriosclerosis, as judged by physical examination, and the production of certain patterns on the Mosaic Test." Implications of these findings for further research are discussed.—(F. Costin)

8940. **Parland, Oscar. On the psychogenic background of several female epileptics.** *Acta psychiat., Kbh.*, 1953, Suppl. 80, 222–232.—The school of deep psychology holds that disturbances of consciousness during the fit are a result of maximal emotional tension breaking through the dams of the censor with explosive force and seizing control over motor activity. The ego bears no responsibility. The forbidden instincts thus gratified are presumed to be aggressive libidinous needs in crude native form. The epileptic fit is regarded as a compensatory outburst of aggressions. At the same time the patient's need to punish himself for his aggressive impulses is satisfied. The epileptic fit is similar to orgasm. A detailed psychological exploration of the female epileptics under narcoanalysis largely corroborated the above conceptions.—(D. Prager)

8941. **Pekny, Lieselotte, & Niedermeyer, Ernst.** (Universitätsnervenklinik, Innsbruck, Austria.) **Der jugendliche Epileptiker und seine sozialpsychiatrische Betreuung.** (The young epileptic and his social psychiatric care.) *Heilpädag. Werkbl.*, 1954, **23**, 12–15.—The article, written by a social worker and a physician, emphasizes that the young epileptic, in addition to medication, needs help in making an adequate social adjustment in his home, school and vocation. The epileptic should be treated as far as possible like any normal young person. His interests in non-competitive sports and social activities are to be encouraged. A minimum of prohibitions is desirable, but it will depend on the frequency and severity of the attacks. The authors feel that only about ¼ of the epileptics show progressive deterioration even with modern treatment and will need institutionalization.—(D. F. Mindlin)

8942. **Reese, William G., Doss, Richard, & Gantt, W. Horsley.** (V. A. Hosp., Perry Point, Md.) **Autonomic responses in differential diagnosis of organic and psychogenic psychoses.** *A.M.A. Arch. Neurol. Psychiat.*, 1953, **70**, 778–793.—6 patients with cerebral damage uniformly failed to form discriminative conditioned responses to visual stimuli associated with slightly painful electric shock in contrast to 8 normal subjects who readily conditioned. Photopolygraphic recordings indicated the acquisition of psychogalvanic concomitants by normal subjects, while the patients with severe organic psychoses showed no such involvement. Neither group showed significant change in heart rate during the experiment. 6 case reports are appended.—(L. A. Pennington)

8943. **Rogers, Lawrence S., & Taylor, James W. Case report on a mental hygiene clinic patient tested before and after frontal lobe injury.** *J. Colo.-Wyo. Acad. Sci.*, 1953, **4**(5), 48–49.—Abstract.

8944. **Sal y Rosas, Federico. El comienzo de la epilepsia en las diferentes horas del día.** (The beginning of epilepsy in the different hours of the day.) *Rev. Neuro-Psiquiat., Lima*, 1952, **15**, 260–273.—The frequency of epileptic seizures in 1452 ambulatory epileptics was observed during different times of the day. The author obtained the following results: (1) the attacks occurred more frequently during the day than night; (2) the maximum frequency was during the working hours of the morning, the minimum frequency at dawn. The greater the predisposition to epilepsy is, the more pronounced is this temporal phenomenon. It is believed that atmospheric changes might have some influence on initiating the attacks at particular times of the day. 25-item bibliography.—(R. M. Frumkin)

8945. **Sal y Rosas, Federico. Ritmo de los ataques en el período inicial de la epilepsia.** (The rhythm of attacks in the initial period of epilepsy.) *Rev. Neuro-Psiquiat., Lima*, 1953, **16**, 308–323.—In a comparative study of 908 cases of epilepsy, it was found that: (1) epileptic processes of exogenous etiology have a violent onset and an accelerated initial rhythm; and (2) those of endogenous etiology begin by frustrated crisis or convulsive attacks of slow rhythm. English, French, and German summaries.—(R. M. Frumkin)

8946. **Schnyder, Pierre. Aertztliche Hilfe bei organischen Erkrankungen und Geistesschwäche.** Medical help in cases of organic brain damage and feeble-mindedness.) *Heilpädag. Werkbl.*, 1954, **23**, 15–18.—The various causes of brain damage (genetic, infectious, endocrine and traumatic) are discussed. Symptomatology other than mental deficiency, i. e. defective emotional and/or physical development, is pointed out. In treatment medication offers little hope, except for instance in cases of hypothyroidism. Special education with practical training is important. The author's conclusions for treatment are: (1) The importance of early diagnosis, (2) the need for workers to realize the special difficulties in training these cases, and (3) the need for early placement in special institutions, apart from behavior problems; also the need for establishing more such institutions.—(D. F. Mindlin)

8947. **Shapiro, M. B. An experimental investigation of the block design rotation effect: an analysis of a psychological effect of brain damage.** *Brit. J. med. Psychol.*, 1954, **27**, 84–88.—"...the general dysfunction sometimes produced by brain damage is the inhibition of a large number of incoming sensory

cues... the negative or inhibitory aspects of attention are often intensified in brain-damaged subjects. ...three laws of organization of the visual field" affecting block rotation are discussed. By manipulation of the material and visual fields, predicted effects similar to those seen in brain-damaged subjects were produced in normal subjects. Alternative theoretical explanations are evaluated.—(C. L. Winder)

8948. **Tunis, M. Martin, & Wolff, Harold G. Studies on headache; cranial artery vasoconstriction and headache.** *A.M.A. Arch. Neurol. Psychiat.*, 1954, **71**, 425–433.—Bilateral pulse waves recorded from supraorbital, temporal, and occipital arteries of 20 normal and 6 hypertensive Ss during and between 85 headache episodes coupled with electromyograms from cranial muscle indicated that "sustained skeletal muscle contraction can be painful... if in addition there is vasoconstriction of relevant arteries, the amount and duration of skeletal muscle contraction ...need be far less, and the intensity of resultant pain... greater."—(L. A. Pennington)

8949. **Zarling, V. R.** (U. Minnesota Hospitals, Minneapolis.) **Rehabilitation in chronic neurologic disease.** *Neurology*, 1954, **4**, 147–156.—The organization of a rehabilitation program for chronic neurological diseased patients is described. Active rehabilitation may materially lessen time of hospital stay.—(L. I. O'Kelly)

PHYSICALLY HANDICAPPED

8950. **Bounous, Blaine Lavon. A follow-up study of the graduates of the Missouri School for the Deaf 1930–1952.** *Dissertation Abstr.*, 1953, **13**, 1033.—Abstract of Ed.D. thesis, 1953, U. Missouri.

8951. **Cholden, L. Psychological aspects of informing the patient of blindness.** *IVth Cong. Pan-Amer. Oftal.*, 1952, **3**, 1531–1540.—In this paper an effort is made to make the ophthalmologist aware of some of the implications of blindness, both to the doctor and to the patient, and to discuss how breaking the news of blindness affects the rehabilitation process.—(Courtesy of *Ophthal. Lit.*)

8952. **Kessler, Ralph Emerson. A study of children with moderate hearing loss.** In *Pennsylvania State Univ., Abstracts of dissertations... 1953*, 1954, **16**, 296–300.—Abstract of Ed.D. thesis.

8953. **Myklebust, Helmer R. Towards a new understanding of the deaf child.** *Amer. Ann. Deaf*, 1953, **98**, 345–357.—This is a summary of recent research findings on the psychology of deafness. Sensory deprivation such as deafness necessitates organismic shifts, such as difference of compensatory use of vision. Some research evidence is given which suggests that individuals deaf from early life deviate from the normal in motor capacity and in social maturity, the deaf being somewhat inferior. Other findings suggest that there is a higher incidence of deficiencies in peripheral vision and that visual perception is also different from the normal. Performance test results indicate average mental ability quantitatively, but qualitatively there seemed to be differences in mental functioning. Needs for further psychological and psychiatric study of the deaf are stressed. 10 references.—(H. R. Myklebust)

8954. **Nahoum, C. Le reclassement professionnel des déficients physiques adultes.** (Vocational rehabilitation of defective adults.) *Travail hum.*, 1953, **16**, 206–218.—All cases cannot be handled alike, or even in group fashion. Personality and attitudes as well as nature of physical handicap make a lot of difference in possibilities for placement and self-reliance. The author includes not only those with limb disabilities, but brain injuries, tuberculosis, heart, ulcer, and glandular cases. 28 references.—(R. W. Husband)

8955. **Svenska Vanforevardens Centralkommittee, Stockholm.** (Jutas Backe 1, Stockholm, Sweden.) **Litteratur-fortechning rorande vanforevard och annan invalidvard.** (Literature index concerning the crippled and handicapped.) Stockholm: The Committee, 1953. 59 p. (Mimeo.)—A bibliography covering literature of various countries on the crippled and handicapped. While entries are for the most part in the Swedish language, those from the English-speaking countries are entered with English titles.—(Courtesy of *Bull. Curr. Lit... Handicapped.*)

8956. **United Nations. Social Reference Centre. Rehabilitation of the handicapped.** New York: The Centre, 1953. 85 p.—In this program for the rehabilitation of the crippled, adopted by the Economic and Social Council of the United Nations in 1952, basic principles are set forth and the services needed in a national rehabilitation scheme are outlined. Contains as well a selected bibliography of books published nationally and internationally on various phases of rehabilitation of value to professional rehabilitation personnel and auxiliary workers with the handicapped. A limited number of films, classified by subject, are included. Available from Social Reference Centre, United Nations, New York, N. Y.—(Courtesy of *Bull. Curr. Lit... Handicapped.*)

8957. **Wenar, Charles.** (U. Illinois, Coll. Med., Chicago.) **The effects of a motor handicap on personality: I. The effects on level of aspiration.** *Child Develpm.*, 1953, **24**(2), 123–130.—Non-handicapped children given a motor task progressively lowered their level of aspiration, while severely and moderately handicapped children showed "initial lowering followed by a reversal toward setting higher goals as the task was continued." This is interpreted as an unrealistic approach toward his capabilities on the part of the handicapped child, demonstrating a wish rather than an ability.—(L. S. Baker)

(See also abstract 8817)

EDUCATIONAL PSYCHOLOGY

8958. **Curtis, Russell Webster. The reasons for staying in school as given by seniors of the seven Indianapolis public high schools.** *Indiana Univ. Stud.*

Educ., Thesis Abstr. Ser., 1954, No. 5, 41–45.—Abstract of Ed.D. thesis.

8959. **Kuenzli, Alfred E. Organismic conceptions of the educative process: a study of the functional and configurational psychologies of John Dewey and Kurt Lewin.** *Dissertation Abstr.*, 1953, **13**, 1091.—Abstract of Ed.D. thesis, 1953, Indiana U.

8960. **Kuenzli, Alfred E. Organismic conceptions of the educative process: a study of the functional and configurational psychologies of John Dewey and Kurt Lewin.** *Indiana Univ. Stud. Educ., Thesis Abstr. Ser.*, 1954, No. 5, 85–90.—Abstract of Ed.D. thesis.

8961. **Lobdell, Lawrence O.** (Clear Stream Ave. Sch., Valley Stream, N.Y.) **Results of a nonpromotion policy in one school district.** *Elem. Sch. J.*, 1954, **54**, 333–337.—Experience in the author's school district has shown that contrary to experience elsewhere there are many pupils who, given a chance to repeat a grade, will achieve academic success. The study includes 11 children with intelligence quotients between 50 and 75 and who make up the special class for slow learners. Both the general criteria and the specific criteria for promotion and for nonpromotion are given in detail. The author concludes that careful selection of the children who are to repeat a grade guided by definite criteria painstakingly applied in each case, can bring about success.—(S. M. Amatora)

8962. **McKeachie, Wilbert** (U. Michigan, Ann Arbor.), **& Kimble, Gregory. Teaching tips; a guidebook for the beginning college teacher.** (2nd ed.) Ann Arbor, Mich.: George Wahr Publishing Co., 1953. iii, 108 p. $1.50.—A compilation of "tricks of the trade" which the authors have found useful in running their classes. The material, arranged in 18 brief chapters, covers such topics as meeting a class for the first time, assigning grades, role-playing, ethical standards, and learning theory in the college classroom. Objectives of the general psychology course, and student evaluation of teaching are considered in appendixes.—(A. J. Sprow)

8963. **Morrison, Ida E. Democracy and interpersonal relationships in the classroom.** *Dissertation Abstr.*, 1953, **13**, 1092–1093.—Abstract of Ed.D. thesis, 1953, Stanford U.

8964. **Mursell, James L.** (Teachers Coll., Columbia U., New York.) **Successful teaching; its psychological principles.** (2nd ed.) New York: McGraw-Hill, 1954. xv, 321 p. $4.25.—This edition (see **21**: 288) has been clarified, condensed, and modernized. Unclear passages have been rewritten. Unnecessary and irrelevant material has been eliminated. From the enormous literature of the past 7 years bearing on the topics of this book, the author "...has wished to call attention to recent publications likely to be interesting and helpful to students and teachers." —(A. J. Sprow)

8965. **Remmers, H. H.** (Purdue U., Lafayette, Ind.), **& Morgan, Clellen L. Introduction to educational psychology.** New York: Harper, 1954. ix, 435 p. $4.00.—The central concept of this text is "adjustment," conceived of as highly dynamic. Constructiveness and creativity are emphasized as criteria of good adjustment. Topics discussed in the first 6 chapters are: adequacy of the child's adjustment; identification of various forms of adjustment; influence of constitutional factors; relationship of adjustment to home, school, and community conditions. Chapter 7 is a sociological analysis of education. (Louis Schneider.) The final 6 chapters deal with individual differences, learning, achievement tests, teacher-made short-answer tests, and interpretation of test scores. An Appendix discusses briefly statistical measures of relationship. Chapter summaries, bibliographies, and "suggestions for thought and discussion."—(F. Costin)

8966. **Sorenson, Herbert.** (U. Kentucky, Lexington.) **Psychology in education.** (3rd ed.) New York: McGraw-Hill, 1954. x, 577 p. $5.50.—"In this third edition [see **23**: 1916] the author has tried to present a text that keeps step with the developments in educational psychology and related fields." The 22 chapters fall into the following areas: Evaluation, How to study, Physical growth and development, Motivation, emotional health, and mental hygiene, Social growth and development, Mental growth and development, Heredity and environment, and Learning. 9-page glossary. 5 text-films on educational psychology. 14-page classified bibliography.—(A. J. Sprow)

(See also abstract 8349)

School Learning

8967. **Aulhorn, E. Über Fixationsbreite und Fixationsfrequenz beim Lesen gerichteter Konturen.** (Fixation size and fixation frequency in reading contours.) *Pflüg. Arch. ges. Physiol.*, 1953, **257**, 318–328.—(See *Ophthal. Lit.*, 1953, **7**(3), abs. 1251.)

8968. **Black, E. L.** (U. Manchester, Eng.) **The difficulties of training college students in understanding what they read.** *Brit. J. educ. Psychol.*, 1954, **24**, 17–31.—Comprehension errors in prose reading made by training college students fall into the following main categories: (1) failure to understand a writer's intention and attitude; (2) failure to detect irony; (3) vocabulary difficulties; (4) misunderstanding metaphors; (5) errors resulting from inadequate background information; (6) failure to see how the context influences meaning; (7) distortions stemming from the readers' preconceptions. The general level of attainment in reading of the group is such that it cannot be taken for granted that the students understand what they read. 18 references.—(R. C. Strassburger)

8969. **Bradford, Henry Franklin.** (Emerson Sch., Phoenix, Ariz.) **Oral-aural differentiation among basic speech sounds as a factor in spelling readiness.** *Elem. Sch. J.*, 1954, **54**, 354–358.—The author endeavors to test the oral-aural differentiation ability as a possible factor in spelling readiness. A pencil and paper test of 112 items was developed and administered to 168 first grade and to 168 second grade children in five schools in Arizona. The author con-

cludes that readiness to discriminate among regularly spelled speech sounds is not complete with all children at the close of the first grade, that this ability can be measured by tests, and that the ability is developmental in nature.—(S. M. Amatora)

8970. **Burgess, Elva. Personality factors in over- and under-achievers in engineering.** In *Pennsylvania State Univ., Abstracts of dissertations... 1953*, 1954, **16**, 536–543.—Abstract of Ph.D. thesis.

8971. **Carlson, Carl Raymond. A study of the relative effectiveness of lecture and directed discussion methods of teaching tests and measurements to prospective Air Force instructors.** *Dissertation Abstr.*, 1953, **13**, 1112–1113.—Abstract of Ph.D. thesis, 1953, U. Minnesota.

8972. **Carpenter, C. R. Instructional film research reports. *USN*** *Spec. Dev. Cent. Tech. Rep.*, 1953, SDC 269-7-36, v. p.—This volume is a compilation of research reports (SDC 269-7-1 through 35) classified under Theory and practice, Film research tools, Motor skills training, Film utilization, Attitudes and emotional structuring, and Film production for maximum effectiveness. The principle findings have been summarized in 5 introductory pages. The pertinent report numbers are given with each statement for reference purposes. The exact experimental conditions under which the study was made can be studied to determine the extent to which the findings can be applied.

8973. **Carroll, John B.** (Harvard U., Cambridge, Mass.) **Some principles of language testing.** *Georgetown Univ. Monogr. Ser. Lang. Linguistics*, 1953, No. 4, 6–10.—Questions of language aptitude and achievement must be considered together, since the same kinds of individual difference dimensions would probably be found in performance in either the native or a second language. Aptitude for second language learning is partly a function of ability in the native language.—(J. B. Carroll)

8974. **Caughran, Alex M. The effect on language comprehension of three methods of presentation.** *Dissertation Abstr.*, 1953, **13**, 1113.—Abstract of Ed.D. thesis, 1953, U. Missouri.

8975. **Christner, Florence. A partially seeing child learns to read.** *Optom. Wkly*, 1954, **45**, 736–739.—General application of principles of reading teaching were applied to a child whose acuity was 20/300 in each eye.—(D. Shaad)

8976. **Fields, Clarence Jerome. A comparative study of the relation of certain factors to the reading status of extreme groups of pupils in the 5B grade of the Baltimore Public Schools.** *Dissertation Abstr.*, 1953, **13**, 1113–1114.—Abstract of Ed.D. thesis, 1953, New York U.

8977. **Ford, C. T.** (Canterbury U. Coll., New Zealand.) **Development in written composition during the primary school period.** *Brit. J. educ. Psychol.*, 1954, **24**, 38–45.—The material analyzed consisted of four compositions written by each of 1159 children aged 7–15. Quantitative data representing the amount written showed an increase with age up to 12 years. Some sex differences favoring the girls were observed. Improvement in quality was comparatively small from one age group to the next. Wide differences in both aspects indicated the absence of a single standard properly applicable to all children within a class. The general lines of development in all four types of composition studied were similar to those reported in the earlier work of Schonell.—(R. C. Strassburger)

8978. **Frith, James R.** (USAF Inst. Tech., Wright-Patterson Field, O.) **Selection for language training by a trial course.** *Georgetown Univ. Monogr. Ser. Lang. Linguistics*, 1953, No. 4, 10–15.—Attrition in an Air Force training program in Mandarin Chinese dropped from 50% to 18% after establishment of a four-day "trial course" which was used as a screening device to supplement psychological test standards.—(J. B. Carroll)

8979. **Graham, E. Ellis. Theories of the emotional bases for reading failure.** *J. Colo.-Wyo. Acad. Sci.*, 1953, **4**(5), 49.—Abstract.

8980. **Hartman, Van Allen. A study of students admitted to college with academic deficiencies and their ability to fulfill the requirements necessary for the granting of a degree.** In *Pennsylvania State Univ., Abstracts of dissertations... 1953*, 1954, **16**, 276–280.—Abstract of Ed.D. thesis.

8981. **Herrick, Virgil E.** (U. Wisconsin, Madison.), **& Howell, Miriam. Growth in the maturity of writing vocabularies of primary- and middle-grade children.** *Elem. Sch. J.*, 1954, **54**, 338–344.—In order to study the likenesses or differences found in the writing vocabularies of children of different ages, the authors compared the words used by 25 seven-year-old children in directed and independent writings over five months of the second grade with the words that Fitzgerald found used by 4th, 5th, and 6th grade children in social letters and business letters written outside of school. Results of the study are given in detail, followed by a discussion of the factors determining the maturity of vocabulary, and the implications for teachers.—(S. M. Amatora)

8982. **Holmes, Jack A.** (U. California, Berkeley.) **Factors underlying major reading disabilities at the college level.** *Genet. Psychol. Monogr.*, 1954, **49**, 3–95.—This study was designed to examine the hypothesis that "the general reading ability of college students is a composite of speed and power of reading, and that underlying each component is a multiplicity of related and measurable factors." Data relevant to this hypothesis were collected from 94 college students through the administration of 40 group and individual tests of reading, intellectual, linguistic, motor, and oculomotor abilities, as well as certain personality measures. The general hypothesis upon which this study was predicated has been substantiated by the experiment.—(G. G. Thompson)

8983. **Kelly, Alan. A study of eight primary readers.** *Brit. J. educ. Psychol.*, 1954, **24**, 49–50.—Abstract of Ed.B. thesis, Glasgow U., 1953.

8984. **Lado, Robert.** (U. Michigan, Ann Arbor.) **Test the language.** *Georgetown Univ. Monogr. Ser.*

Lang. Linguistics, 1953, No. 4, 29–33.—Greatest objectivity in testing achievement in a foreign language can be obtained by testing for knowledge of the signalling elements of a language, i.e., the phonological, morphological, and syntactical features. This is in contrast to the usual approach, in which the student's handling of general situations is appraised, without adequate control of his knowledge of critical linguistic elements. Data from the author's Test of Aural Comprehension in English are discussed.—(J. B. Carroll)

8985. **McTavish, Chester Lynn. Effect of repetitive film presentations on learning.** In *Pennsylvania State Univ., Abstracts of dissertations... 1953*, 1954, **16**, 333–338.—Abstract of Ed.D. thesis.

8986. **Moldstad, John Alton. A study of the relative effects of film narration listenability difficulty on the learning of factual information and the development of incidental vocabulary.** *Indiana Univ. Stud. Educ., Thesis Abstr. Ser.*, 1954, No. 5, 147–149.—Abstract of Ed.D. thesis.

8987. **Morgan, William J.** (Aptitude Associates, Merrifield, Va.) **A clinical approach to foreign language achievement.** *Georgetown Univ. Monogr. Ser. Lang. Linguistics*, 1953, No. 4, 15–21.—Correlations of aptitude tests with rated achievement in a foreign language course are reported; in one sample, the Iowa Foreign Language Aptitude Examination showed a validity of .58 against rank in class, and yielded a predictive efficiency of 80%. The author presents evidence for his contention, however, that even higher validity can be obtained when the psychologist makes his predictions on the basis of not only test scores but also clinical data revealing non-intellective factors such as motivation and work habits.—(J. B. Carroll)

8988. **Mullins, Cecil J.** (Lee Coll., Baytown, Tex.), **& Mowry, Harley W. How long does reading improvement last?** *Personnel. J.*, 1954, **32**, 416–417.—During a reading improvement course the employees improved their reading speed approximately 200% with no loss of comprehension. A retest a year later showed they retained about half the increase in speed, reading about 100% faster than when originally tested. They also showed a slight improvement in comprehension when retested.—(M. B. Mitchell)

8989. **Purdy, C. Richard** (San Jose (Calif.) State Coll.), **& Kinney, Lucien B. Directing learning in arithmetic.** *Elem. Sch. J.*, 1954, **54**, 285–290.—Five steps in an effective learning experience are demonstrated. This is followed by an analysis of five principles which show why this teaching was successful. Detailed implications and conclusions are given. The ultimate test of effective teaching becomes, "have they learned to learn?"—(S. M. Amatora)

8990. **Richmond, Elizabeth V.** (Rockford Coll., Ill.) **Program for remedial reading.** *Elem. Sch. J.*, 1954, **54**, 291–295.—The reading program coordinates clinical instruction with classroom teaching, and clinic readers take their daily assignments back to the class and work on them during study periods. Classroom teachers work closely with reading teachers, and conferences are frequently held to consider and to evaluate the total emotional, social, and reading situation of each clinic pupil. Hereupon follows in detail the method of selection of clinic readers, their remedial procedures, techniques used in the clinic, and a summary of some clinical research studies made.—(S. M. Amatora)

8991. **Scott, M. Gladys.** (State U. Iowa, Iowa City.) **Learning rate of beginning swimmers.** *Res. Quart. Amer. Ass. Hlth phys. Educ.*, 1954, **25**, 91–99.—Two groups of beginning swimmers were taught by the small group method (N = 20) and by the regular class methods (N = 134). Both classes were composed of college women who were non-swimmers at the beginning of instruction. Considerable variance in individual learning rates was found and progress for both groups was similar.—(M. A. Seidenfeld)

8992. **Stendler, Celia Burns, & Martin, William E.** (U. Illinois, Urbana.) **Intergroup education in kindergarten-primary grades.** New York: Macmillan, 1953. xiii, 151 p. $2.50.—In this volume the authors present from the mass of material on inter-group education the best in classroom practice for kindergarten-primary teachers. It includes an incidental approach which teachers improvise to deal with immediate problems and also a systemmatic approach through which children are at least exposed to the important concepts of unity. Among the topics discussed are (1) the children's attitudes and how they are developed, (2) the teacher and inter-group unity, (3) getting started in inter-group education, and (4) activities in inter-group education. Appendices include books for teachers and parents as well as children's books.—(S. M. Amatora)

8993. **Stover, Robert E., & Tear, Daniel G. The evaluation of two kinescopes.** *USN Spec. Dev. Cent. Tech. Rep.*, 1953, SDC 269-7-38, 21 p.—This research was conducted to give a rough indication of the effectiveness of 2 kinescopes in comparison with standard films, and to what extent the characteristics of a good film had been incorporated in them. They were rated to be at least as effective in the communication of information as the average training films that had been studied. A panel of officers trained to evaluate films gave each of the two kinescopes a rated score which was above the mean rated score of the conventional films which had been studied. Ratings of learning from individual sequences showed that the two kinescopes were effective in this respect.

8994. **Thibault, Paula.** (Educ. Test. Serv., Princeton, N.J.) **Implications of experience with College Board language tests.** *Georgetown Univ. Monogr. Ser. Lang. Linguistics*, 1953, No. 4, 21–29.—The uniformly high item-validities of most College Board foreign language achievement tests and the high intercorrelations of different types of tests suggest that whatever is being measured acts like a unitary trait. However, this ignores the question of oral-aural skill, which is impracticable for the College Board to test at present. The author closes with a discussion of

various problems in item construction, especially the choice of distracters.—(J. B. Carroll)

8995. **Thorpe, Louis P., & Schmuller, Allen M. Contemporary theories of learning with applications to education and psychology.** New York: Ronald Press, 1954. viii, 480 p. $5.50.—Learning theories of Thorndike, Guthrie, Hull, Skinner, Gestalt psychology, Wheeler, Tolman, functionalism, and Dewey are each described in nine separate chapters. For each, there are a statement of the theory, a review of experimental verification, a critique, and a discussion of the significance for education. These nine chapters are introduced by two chapters dealing with the importance of learning theory and its background in modern science. In two final chapters, areas of agreement of the theories are explored. In one, six integrations are reviewed, those of Dashiell, Kellogg, McConnell, Hilgard, Spence, and Leeper, while in the final chapter the authors present an eclectic view with five principles discussed and related to the nine theories earlier described.—(C. M. Louttit)

8996. **Wilkinson, George Edward. The association of certain characteristics with the final reading achievement scores and with the amount of reading progress made by students enrolled in a remedial reading clinic.** *Indiana Univ. Stud. Educ., Thesis Abstr. Ser.*, 1954, No. 5, 247-252.—Abstract of Ed.D. thesis.

8997. **Witty, Paul.** (Northwestern U., Evanston, Ill.) **How you can help your child learn to read.** *Crippled Child*, 1954, **31**(6), 19-21.—Parents can help to prepare their children for school, and for reading, in four ways: provide a wide variety of experiences and encourage discussion of them; be patient with questions, and correct language errors without embarrassment; tell stories, and read stories aloud; help the child to pronounce words correctly.—(G. S. Speer)

8998. **Young, Oliver Graves. Rate of learning in relation to spacing of practice periods in selected physical education activities.** *Dissertation Abstr.*, 1953, **13**, 1085.—Abstract of Ph.L. thesis, 1953, State U. Iowa.

8999. **Zimmerman, Helen M.** (Southern Illinois U., Carbondale.) **Physical activity experience and interests of college women.** *Res. Quart. Amer. Ass. Hlth. phys Educ.*, 1954, **25**, 109-118.—The extent of participation of 267 female college freshmen was recorded with an indication of those they liked and those disliked. Soft ball, basketball and volley ball were the most commonly preferred, while the rhythmic activities and individual sports were least liked in the high school years. There is evidence that many of the individual sports and rhythmic activities are requested in the college program.—(M. A. Seidenfeld)

(See also abstracts 8421, 8511, 8586, 8688)

INTERESTS, ATTITUDES & HABITS

9000. **Beittel, Kenneth R. Some experimental approaches to the aesthetic attitudes of college students.** In *Pennsylvania State Univ., Abstracts of dissertations... 1953*, 1954, **16**, 192-195.—Abstract of Ed.D. thesis.

9001. **Brown, I. Douglass. Some factors affecting social acceptance of high school pupils.** *Indiana Univ. Stud. Educ., Thesis Abstr. Ser.*, 1954, No. 5, 17-22.—Abstract of Ed.D. thesis.

9002. **Curtis, Russell Webster. The reasons for staying in school as given by seniors of the seven Indianapolis high schools.** *Dissertation Abstr.*, 1953, **13**, 1060-1061.—Abstract of Ed.D. thesis, 1953, Indiana U.

9003. **DeVault, Marion Vere. Relationship of sociometric status to selected factors in grades 1 through 12.** *Indiana Univ. Stud. Educ., Thesis Abstr. Ser.*, 1954, No. 5, 47-50.—Abstract of Ed.D. thesis.

9004. **Kanter, Donald Lucky. Some relationships of personality to the area of academic concentration and political attitude.** *Dissertation Abstr.*, 1953, **13**, 1285-1286.—Abstract of Ph.D. thesis, 1953, U. Connecticut.

9005. **Koelsche, Charles Lewis. A study of the student drop-out problem at Indiana University.** *Indiana Univ. Stud. Educ., Thesis Abstr. Ser.*, 1954, No. 5, 79-84.—Abstract of Ed.D. thesis.

9006. **Ladd, Ernest Everett. The characteristics of adults enrolled during 1951-1952 in the Gary, Indiana, night school classes for credit toward high school graduation.** *Dissertation Abstr.*, 1953, **13**, 1075.—Abstract of Ed.D. thesis, 1953, Indiana U.

9007. **Smith, Alexander Frothingham. Some characteristics of high level talent as found in selected Connecticut high schools.** *Dissertation Abstr.*, 1953, **13**, 1094.—Abstract of Ph.D. thesis, 1953, U. Connecticut.

9008. **Sternberg, Carl. The relation of interests, values and personality to the major field of study in college.** *Dissertation Abstr.*, 1953, **13**, 1095.—Abstract of Ph.D. thesis, 1953, New York U.

9009. **Walker, Everette Leroy. Differences in adjustment of students at Evansville College according to types of housing.** *Indiana Univ. Stud. Educ., Thesis Abstr. Ser.*, 1954, No. 5, 229-235.—Abstract of Ed.D. thesis.

9010. **Wright, Ralph William. A study of the felt needs of freshman college students.** *Dissertation Abstr.*, 1953, **13**, 1122.—Abstract of Ph.D. thesis, 1953, Northwestern U.

(See also abstracts 8307, 8719)

SPECIAL EDUCATION

9011. **Fine, Huldah Grace. The work group program for gifted children in a Detroit elementary school.** *Dissertation Abstr.*, 1953, **13**, 1062.—Abstract of Ed.D. thesis, 1953, Wayne U.

9012. **Hoakley, Z. Pauline.** (Wayne County Train. Sch., Northville, Mich.) **The lad who did not learn.** *Amer. J. ment. Defic.*, 1954, **58**, 557-559.—A case study is presented of a non-learning boy who was institutionalized in a school for mental defectives, al-

though he was of normal mental ability. The need of services in the public school for handling this type of case is stressed.—(V. M. Staudt)

9013. **Ladd, Ernest E. The characteristics of adults enrolled during 1951–1952 in the Gary, Indiana, night school classes for credit toward high school graduation.** *Indiana Univ. Stud. Educ., Thesis Abstr. Ser.*, 1954, No. 5, 91–95.—Abstract of Ed.D. thesis.

9014. **Lavalli, Alice** (Logan Special School, Detroit, Mich.), **& Levine, Mary. Social and guidance needs of mentally handicapped adolescents as revealed through sociodramas.** *Amer. J. ment. Defic.*, 1954, **58**, 544–552.—Through a series of sociodramas which are presented in this paper the attitudes of mentally handicapped boys and girls were discovered in respect to finances, dating, home life, choosing a marriage partner and the like. Such sociodramas are described as useful in indicating the needs in respect to contents of an educational program for these adolescents.—(V. M. Staudt)

9015. **Miller, Lawrence E.** (Fordson High Sch., Dearborn, Mich.) **A follow-through high school program for the mentally handicapped.** *Amer. J. ment. Defic.*, 1954, **58**, 553–556.—The special education program for the mentally handicapped at Fordson High School in Dearborn, Michigan is described. A sample case is presented to indicate how the follow-up program operates.—(V. M. Staudt)

9016. **Mullen, Frances A.** (Chicago (Ill.) Public Schs.) **The slow learner needs special help.** *Reading Teach.*, 1954, **7**(3), 138–143.—Educable mentally handicapped children are usually identified by means of test scores; their IQ's ranging between about 50 to 80. The mentally handicapped child often has other handicaps such as physical handicaps, coming from underpriviledged homes and exposure to teaching methods not suited to their needs during the early years in school. Reading should be meaningful such as being able to use a telephone book, street guide, a catalogue index, a menu, application blanks, recipes and magazines read by the general public. Much of the reading material should be prepared by the teacher to meet the specific needs of individual children.—(J. E. Casey)

9017. **O'Grady, Richard M. A study of selected aspects of finger paintings by special class children.** *J. genet. Psychol.*, 1954, **84**, 27–38.—This paper is a "study [of] the developmental aspects of finger paintings among retarded children; [a comparison of] their performance with that of normal children; [and a test of] whether finger painting might increase its usefulness to the classroom teacher as an aid in the diagnosis of mental retardation and personality maladjustment."—(Z. Luria)

9018. **Pruitt, Elberta E. How the physically handicapped learn to read.** *Reading Teach.*, 1954, **7**(3), 131–137.—The special class teacher should organize a program which stresses the positive aspect of the handicapped child. In the case of reading, this means that every advantage should be taken of the abilities and of special equipment for dealing with the deaf, the partially seeing, and the crippled children.—(J. E. Casey)

9019. **Witty, Paul A.** (Northwestern U., Evanston, Ill.), **& Bloom, Samuel W. Science provisions for the gifted.** *Except. Child.*, 1954, **20**, 244–250; 262.—Society's need for the gifted in the field of science is indicated and the provisions in school science programs in 12 high schools are described.—(T. E. Newland)

EDUCATIONAL GUIDANCE

9020. **Bamman, Henry A.** (Stanford U., Calif.) **Study skills program: Stanford University.** *Calif. J. educ. Res.*, 1954, **5**, 57–58.—Statistically significant increments were found in the test-retest performances of 152 study skills program students on the Iowa Silent Reading Test and on the Cooperative C-2, Reading Comprehension Test, as compared with results obtained on 60 control subjects. Participant responses to questionnaires reflect "considerable personal satisfaction in the program." 100 colleges and universities surveyed indicated "a need at the college level for developmental reading and study skills programs,...a lack of trained personnel to conduct these programs," and the need for further facilities of a comparable nature. Recommendations are made for the future Stanford Study Skills Program.—(T. E. Newland)

9021. **Berman, R. Edward. The use of psychological tests in guidance and education with particular reference to projective techniques.** *Dissertation Abstr.*, 1953, **13**, 1085–1086.—Abstract of Ed.D. thesis, 1953, Wayne U.

9022. **Dobberstein, William F. A study of two methods of occupational orientation for junior high school pupils: a comparative analysis of tape recordings and occupational literature used in junior high school occupational orientation classes.** *Dissertation Abstr.*, 1953, **13**, 1086.—Abstract of Ed.D. thesis, 1953, New York U.

9023. **Farnsworth, Dana L.** (Mass. Institute of Technology, Boston, Mass.) **What is mental health in a university?** *Ment. Hyg., N. Y.*, 1954, **38**, 34–48.—A discussion of the importance of a mental health program in institutions of higher learning, by the Medical Director of M.I.T.—(M. A. Seidenfeld)

9024. **Froe, Otis D.** (Morgan State Coll., Baltimore, Md.) **The negative concept in discipline and its relation to rapport in counseling.** *Educ. Adm. Superv.*, 1953, **39**, 470–477.—The author examines the assumption that it is impossible for a counselor to operate effectively in all counseling situations and at the same time be responsible for the administering of discipline. The negative concept sees discipline as the control of persons by outside authority usually arbitrarily applied. Disciplined as it is popularly conceived in a negative fashion, tends to force immaturity upon the student rather than to develop maturity. It is in the light of this trend that it becomes important to examine the assumption that a counselor cannot main-

tain the rapport necessary for effective counseling and at the same time be responsible for administering discipline.—(S. M. Amatora)

9025. **Hoard, Charles Mason. A survey of the guidance programs in the Missouri negro high schools.** *Indiana Univ. Stud. Educ., Thesis Abstr. Ser.*, 1954, No. 5, 57-59.—Abstract of Ed.D. thesis.

9026. **Keisler, Evan R.** (U. California, Los Angeles.) **Peer group judgment as validity criteria for the SRA Youth Inventory.** *Calif. J. educ. Res.*, 1954, **5**, 77-79.—155 boys and 177 girls in a high tenth grade, who had taken the SRA Youth Inventory, were rated by members of their own sex on 12 bi-polar traits and nominations of friends were obtained from the group under study. No relationship was found between scores on the part "Getting along with others" and the other measures of social acceptability. It is suggested that perhaps "those with high social acceptability tend to check items which refer to more specific aspects of the problem of gaining social acceptance while those with low social acceptability tend to check items indicating the problem in more general form."—(T. E. Newland)

9027. **Lifton, Walter M.** (U. Illinois, Urbana.) **Group classroom techniques.** *Progr. Educ.*, 1953, **30** (7), 210-213.—Describes some group procedures the author has used in a college course, which has as its chief goal the helping of counseling trainees to evaluate their attitudes toward their clients and themselves. A "therapeutic" atmosphere was sought. Evaluation procedures are described, some sample student reactions given, and the instructor's reaction to the techniques used is commented upon.—(F. Costin)

9028. **Lloyd-Jones, Esther** (Columbia U., New York), **& Smith, Margaret Ruth. (Eds.) Student personnel work as deeper teaching.** New York: Harper and Bros., 1954. xii, 361 p. $5.00.—The 2 editors and 24 contributing authors detail the definition of student personnel work as a necessarily integrated aspect of college teaching. Continued separation ("dualism") of instruction and personnel work in colleges and universities is no longer justified. Student personnel functions such as testing, admissions, advisement and guidance should be decentralized into the "small communities" of which large institutions are composed.—(J. F. Kamman)

9029. **McGlasson, Maurice A. An analysis of guidance organization and services in the commissioned junior high schools of Indiana.** *Indiana Univ. Stud. Educ., Thesis Abstr. Ser.*, 1954, No. 5, 113-119.—Abstract of Ed.D. thesis.

9030. **McKinney, Frederick J. D. The guidance program in selected Negro institutions for higher education.** *Indiana Univ. Stud. Educ., Thesis Abstr. Ser.*, 1954, No. 5, 121-125.—Abstract of Ed.D. thesis.

9031. **Maxfield, David K.** (U. Illinois, Navy Pier, Chicago.) **Counselor librarianship: a new departure.** *U. Ill. Libr. Sch. Occas. Pap.*, 1954, No. 38, 1-39. Gratis.—An experiment in orienting undergraduate library work in the direction of counseling is described. Part I deals with the history and educational philosophy of the U. Illinois Chicago Undergraduate Division. Part II reviews the psychological background of the nature and practices of student counseling. Parts III and IV describe the program of counselor librarians, their duties and work, and finally the implications for other types of libraries. 24-item reading list on counseling.—(C. M. Louttit)

9032. **Maxfield, David K.** (U. Illinois, Navy Pier, Chicago.) **Counselor librarianship at U. I. C.** *Coll. Res. Libr.*, 1954, **15**, 161-166; 179.—Describes the program at the Undergraduate Division of the University of Illinois in which specially trained librarians function in cooperation with the Student Counseling Bureau. The activity includes advising on academic and personal problems, and some elementary bibliotherapy.—(C. M. Louttit)

9033. **Smith, Edgar A. Six conceptualizations of the counselee with major emphasis on client-centered and operant conditioning orientations.** *Indiana Univ Stud. Educ., Thesis Abstr. Ser.*, 1954, No. 5, 209-214.—Abstract of Ed.D. thesis.

(See also abstract 8729)

EDUCATIONAL MEASUREMENT

9034. **Adcock, C. J. Intelligence and high level achievement.** *Victoria Univ. Coll. Publ. Psychol.*, 1952, No. 1, 27 p.—Factor-analysis of test scores and ratings for three groups of college students (N = 52, 82, and 50) resulted in identification of six factors: high-level mental ability, perceptual speed, impulsiveness, ego-involvement or drive, practical carefulness, and immediate memory (verbal). The relation of these factors to academic success for each group is briefly discussed.—(S. E. Newman)

9035. **Bernyer, G. Recherches statistiques sur quelques tests d'aptitudes appliqués a l'enseignement secondaire.** (Statistical investigation of some aptitude tests used in the secondary education.) *Biotypologie*, 1951, **12**, 1-18.—The factor analysis of the results of 11 tests given to 207-451 girls of sixth form, 11-12 years, and of their school grades has been made. The analysis of tests revealed 3 factors: S, general efficiency and spatial visualisation, which explains 24.2% of the total variance; M, identical with Thurstone's memory, which explains 7.2% of the variance; and V, Thurstone's verbal reasoning, which explains 10.4% of the variance. The analysis of school grades disclosed one general factor of school success G and 5 group factors, namely A, Latin and living languages; B, history and geography; C, mathematics, natural sciences and sewing; D, drawing and sewing; and E, music, physical education and sewing. This factorial structure applies only to the girls of sixth form. "The psychological factors obtained from the tests may explain only a fraction, which may be rather small, of the variance of grades or of factors of the school success."—(M. Choynowski)

9036. **Budd, William C.** (Goucher Coll., Baltimore, Md.) **Educators and culture-fair intelligence tests.** *J.*

educ. Sociol, 1954, **27**, 333–334.—Present intelligence tests contain a culture bias. This may be due to the fact that the greatest consumer of these tests are educators. Perhaps intelligence tests should be biased in favor of the middle classes. It is unlikely that educators will be much impressed with culture fair intelligence tests, even those produced.—(S. M. Amatora)

9037. **Burrall, Lucile. A study of internal or trait variability in achievement of pupils at the fifth grade level.** In *Pennsylvania State Univ., Abstracts of dissertations... 1953*, 1954, **16**, 196–203.—Abstract of Ed.D. thesis.

9038. **Burrall, Lucille.** (Pasadena (Calif.) City Schs.) **Variability in achievement of pupils at the fifth grade level.** *Calif. J. educ. Res.*, 1954, **5**, 68–73.—The disparities between total (1950) California Achievement Test performances and sub-test performances in reading, arithmetic and language usage were compared with (1948) PMA disparities, results on the (1942) California Test of Personality, results on an interest inventory, sociometric data, occupational choices, and unrestricted wishes. 122 boys and 117 girls taken from different fifth grades in Pasadena were used. No significant sex differences were found. No statistically significant correlations were found between trait variabilities in objectively tested behavior. The more varying achievers tended more to be socially accepted. The less variable pupils had more interest in activities and games in school.—(T. E. Newland)

9039. **Casey, John E. An investigation of the effect of increasing the homogeneity of response pattern on the General Culture Test on its correlation with the American Council on Education Psychological Examination and the Interpretation of Data Test.** *Indiana Univ. Stud. Educ., Thesis Abstr. Ser.*, 1954, No. 5, 29–34.—Abstract of Ed.D. thesis.

9040. **Harris, Fred E.** (U. Kentucky, Lexington.) **Three persistent educational problems: grading, promoting, and reporting, to parents.** *Bull. Bur. Sch. Serv., Coll. Educ., U. Ky.*, 1953, **26** (1), 1–92.—Grading, promoting, and reporting to parents are among the most persistent problems confronting school systems. The author presents an analysis of these problems. In the first chapter the author brings the problem into focus, and in the second he endeavors to fit the tasks of the schools thereto. This is followed by a detailed study of grading, of promotion and classification, and a method of reporting the same to the parents. The volume concludes with a summary of how schools may develop action programs.—(S. M. Amatora)

9041. **Johnson, Granville B., Jr.** (Emory U., Ga.) **Factors to be considered in the interpretation of intelligence-test scores.** *Elem. Sch. J.*, 1953, **54**, 145–150.—The interpretation of intelligence test scores will be facilitated if there is kept in mind such factors as the specific purpose of the test used, its validity, the limitation of norms, and if special care is taken in administration and scoring with supplementary observation of the testees' behavior.—(S. M. Amatora)

9042. **Jones, Robert Stewart. Integration of instructional with self-scoring measuring procedures.** In *Ohio State Univ., Abstracts of dissertations... 1950–51*, 1954, No. 65, 157–165.—Abstract of Ph.D. thesis.

9043. **Ratchick, Irving. Achievement and capacity: a comparative study of pupils with low achievement and high intelligence quotients with pupils of high achievement and high intelligence quotients in a selected New York City High School.** *Dissertation Abstr.*, 1953, **13**, 1049–1050.—Abstract of Ed.D. thesis, 1953, New York U.

9044. **Sherriffs, Alex C., & Boomer, Donald S.** (U. California, Berkeley.) **Who is penalized by the penalty for guessing?** *J. educ. Psychol.*, 1954, **45**, 81–90.—A true-false examination in a college psychology course was given to a control group of 98 students who were told that "there would be no penalty for guessing" and to an experimental group of 292 students who were told that right-minus-wrong scoring would be used. The MMPI was administered at another time, and scored for the "A" scale, developed by Welsh, which gives indications of introversion rumination, anxiety, low self-esteem and undue concern with the impressions made on others. Right-minus-wrong correction for guessing penalizes students who are maladjusted according to the A scale, since such individuals tend to omit more items and to omit a larger proportion of the items that they are capable of answering.—(E. B. Mallory)

9045. **Smith, Allan B. The prediction of scholastic success for freshman entrants to the University of Connecticut 1933–1951.** *Dissertation Abstr.*, 1953, **13**, 1121–1122.—Abstract of Ph.D. thesis, 1953, U. Connecticut.

9046. **Tinkel, Sherman N.** (New York State Education Dept., Albany.) **Predicting academic success in New York State medical schools and dental schools.** *J. med. Educ.*, 1953, **29** (3), 35–41.—The New York State scholarship examination is given annually to candidates for scholarships to medical and dental schools, and awards are made on the basis of performance on this examination. The data reported in this article demonstrate that first-year professional school achievement (1) is higher for scholarship winners than for nonwinners, (2) has a positive correlation with scholarship test scores, and (3) is better predicted by the achievement section than the aptitude section of the examination.—(S. Counts)

9047. **Walker, Robert N.** (Public Schs., Akron, O.) **Teachers tests, and telling parents.** *Elem. Sch. J.*, 1953, **54**, 151–156.—The interpretation of low test scores of pupils to their parents is a task which must be done honestly. Such scores should be explained to the parents rather than merely reported. Areas of strengths and weaknesses in performance that goes to make up the score should be pointed out.—(S. M. Amatora)

9048. **Watts, Kathleen P.** (Cambridge U., Eng.) **The effect of a university training in mathematics on the scores in an intelligence test.** *Brit. J. educ. Psychol.*, 1954, **24**, 32–37.—University students originally tested early in their first term were retested one year later, Intelligence Test AH 5 being used on both occasions. Initial mean score of the mathematics students was significantly greater than that of the non-mathematics group. The mean increase from the 1st to the 2nd testing was slightly but not significantly greater for the mathematics students. This result was found to hold at every level of intelligence.—(R. C. Strassburger)

EDUCATION STAFF PERSONNEL

9049. **Barsotti, Henry F.** (San Francisco (Calif.) City Schs.) **Reporting the "unsatisfactory" teacher in California.** *Calif. J. educ. Res.*, 1954, **5**, 74–76.—50 "unsatisfactory" teachers in the San Fransicso Unified School District were identified and the information in their personnel folders studied. Recommendations are presented to improve the effectiveness of the reporting procedures.—(T. E. Newland)

9050. **Baum, Celia F. A study of the effect of a course in community work experience on the ability of prospective teachers to discern the climate of democratic group leadership.** *Dissertation Abstr.*, 1953, **13**, 1030–1031.—Abstract of Ed.D. thesis, 1953, New York U.

9051. **Cooper, Charles Emmons, Jr. Vocational interests of industrial arts teachers.** *Dissertation Abstr.*, 1953, **13**, 1099.—Abstract of Ed.D. thesis, 1953, U. Missouri.

9052. **Ferguson, John L. A factorial study of the Minnesota Teacher Attitude Inventory.** *Dissertation Abstr.*, 1953, **13**, 1087.—Abstract of Ed.D. thesis, 1953, U. Missouri.

9053. **Hearn, Arthur C.** (U. Oregon, Eugene.) **The relationship between specific traits and general teaching competence.** *Educ. Adm. Superv.*, 1953, **39**, 500–503.—Representatives of the School of Education and the Appointment Service at Stanford University devised a rating blank for the purpose of evaluating the performance of teachers placed by the University for the year of 1947–48. The rating blank together with a letter explaining its purpose was sent to the principal under whose supervision each teacher was employed. Of the 92 blanks sent out, 77 were returned and used in the study. The results indicate clues for consideration in further research, although the authors claim no conclusiveness in their findings.—(S. M. Amatora)

9054. **Juul, Kristen Dortheus. Authoritarian personality in relation to teachers' attitudes towards child behavior.** *Dissertation Abstr.*, 1953, **13**, 1089–1090.—Abstract of Ed.D. thesis, 1953, Wayne U.

9055. **Kelley, Claude. Qualifications determining selection and promotion of college teachers of education, 1950–51.** *Indiana Univ. Stud. Educ., Thesis Abstr. Ser.*, 1954, No. 5, 67–72.—Abstract of Ed.D. thesis.

9056. **Kelly, E. Wardo. The construction and validation of a professional beliefs inventory for prospective teachers.** *Indiana Univ. Stud. Educ., Thesis Abstr. Ser.*, 1954, No. 5, 73–77.—Abstract of Ed.D. thesis.

9057. **Kessler, Jane W., & Hosley, Eleanor.** (U. Hosp., Cleveland, O.) **Methods of evaluating nursery-school teachers.** *Educ. Adm. Superv.*, 1953, **39**, 449–461.—By means of 20 individual rating scales constructed specifically for this study supervisors evaluated each teacher in her total functioning as a nursery-school teacher. Numerical values of one to five were assigned to the various degrees of the individual scales and total point scores obtained by adding item scores. (1) The study revealed a consistent trend for the higher point scores with better over-all evaluations. (2) Various facets of the teacher's relationships with children showed the largest differences, and items having more to do with personal adjustment showed least differences. (3) The coefficient of correlation between the director's rankings and the rankings made upon the total point score was .71.—(S. M. Amatora)

9058. **Knox, Carl Warner. An investigation of the job satisfaction of recent graduates of the University of Illinois now engaged in school teaching and administration.** *Dissertation Abstr.*, 1953, **13**, 1043–1044.—Abstract of Ph.D. thesis, 1953, U. Illinois.

9059. **Lott, Pearl David. A study of characteristics, background, and activities of men elementary teachers and some conditions affecting their adjustment and morale.** In *Pennsylvania State College, Abstracts of dissertations... 1952*, 1953, **15**, 350–355.—Abstract of Ed.D. thesis.

9060. **Mackenzie, Gordon N., & Corey, Stephen M.** (Teachers Coll., Columbia U., New York.) **Instructional leadership.** New York: Bureau of Publications, Teachers College, Columbia University, 1954. xiii, 209 p. $3.35.—Instructional leaders (principals, coordinators, central office personnel) worked from 1949 to 1952 on a project undertaken to improve instructional leadership in Denver. Chapter 8 is an evaluation of the project and includes copies of several of the evaluation instruments used. The appendix contains the "Ideas About Myself" inventory which was used to measure dissatisfaction with oneself. Part 1 of the book is a discussion of the nature and improvement of instructional leadership. Part 2 is an account of the Denver leadership project.—(H. K. Moore)

9061. **Mills, James Alexander. An investigation of the place of certain skills, concepts and attitudes in the pre-service professional training of teachers for liberal arts colleges.** *Dissertation Abstr.*, 1953, **13**, 1046.—Abstract of Ed.D. thesis, 1953, New York U.

9062. **Oelke, Merritt Charles. Changes in student teachers' attitudes toward children during initial teaching experiences.** *Dissertation Abstr.*, 1953, **13**, 1093–1094.—Abstract of Ed.D. thesis, 1953, U. Illinois.

9063. **Risher, Charles G. Relationship of scholastic attainment to rated success as a beginning industrial arts teacher.** *Dissertation Abstr.*, 1953, **13**, 1120–1121.—Abstract of Ed.D. thesis, 1953, U. Missouri.

9064. **Robb, George P. Relationships between interests and achievement in student teaching.** *Indiana Univ. Stud. Educ., Thesis Abstr. Ser.*, 1954, No. 5, 187–189.—Abstract of Ed.D. thesis.

9065. **Rogers, Dorothy.** (State Teachers' Coll., Oswego, N. Y.) **A study of the reactions of forty men to teaching in the elementary school.** *J. educ. Sociol.*, 1953, **27**, 24–35.—The questionnaire method was used to determine masculine reaction to teaching in the elementary field. Analysis of data includes: (1) Does the male elementary teacher present special problems? (2) special functions of male teachers, (3) sources of greatest satisfaction, (4) sources of chief dissatisfaction, (5) the salary question, (6) comfort and welfare, (7) status in community, (8) male teacher verses female principal, (9) effect of elementary teaching on the male personality, (10) recommendations for boosting morale, (11) perspective on recommendations, and (12) present status of situation.—(S. M. Amatora)

9066. **Sandgren, Duane. Student teachers' attitude inventory scores: their changes as a result of practice teaching and their relation to critic teachers' ratings of teaching ability.** *Indiana Univ. Stud. Educ., Thesis Abstr. Ser.*, 1954, No. 5, 203–207.—Abstract of Ed.D. thesis.

9067. **Smith, Floyd Ray. Changes in some personal qualities of student teachers at the University of Missouri.** *Dissertation Abstr.*, 1953, **13**, 1107–1108.—Abstract of Ed.D. thesis, 1953, U. Missouri.

9068. **Snowden, James G. An analysis of teachers' interpretations of statistical and psychological terms found in certain professional periodicals.** *Indiana Univ. Stud. Educ., Thesis Abstr. Ser.*, 1954, No. 5, 215–218.—Abstract of Ed.D. thesis.

(See also abstract 8685)

PERSONNEL PSYCHOLOGY

9069. **Bloomer, Richard H.** (U. Wichita, Kans.) **Psychologist on the job appraises a training program.** *Personnel J.*, 1954, **33**, 6–9.—The author went into an aircraft plant as a worker and went through the induction and training program. He believes that in this way he was able to learn more about the employees' reactions to the program. He felt that the good morale generated by the induction program was dissipated by an inefficient training program. The trainees were told when they did something wrong, but were not systematically trained in an efficient method. The instructor promoted the trainees to the line whenever he thought they were ready, but no objective measures were used so the men could judge their progress. More lectures and training aids were recommended to make the training program more efficient.—(M. B. Mitchell)

9070. **Bullock, Robert Percival. Social correlates of job satisfaction.** In *Ohio State Univ., Abstracts of dissertations... 1950–51*, 1954, No. 65, 421–423.—Abstract of Ph.D. thesis.

9071. **Guthrie, Mearl Raymond. The measurement of personal factors related to success of office workers.** *Dissertation Abstr.*, 1953, **13**, 1039–1040.—Abstract of Ph.D. thesis, 1953, U. Minnesota.

9072. **Hersey, Rexford.** (U. Pennsylvania, Philadelphia.) **Zest for work—gone or hiding.** *Ment. Hyg., N. Y.*, 1954, **38**, 12–27.—A discussion of the problems of the "lazy one-fifth," the industrial workers whose performance remains below the parity level of his associates. A case analysis of such a worker is discussed. The author concludes that a number of factors are responsible for producing such attitudes among workers such as: (1) a feeling that the employer is not concerned with their well-being; (2) a lack of regard for the authority of supervisors because supervisors are afraid to take punitive action against unions or other agencies and because of scarcity of replacements; (3) feeling of inadequate rewards if extra effort is put into production efforts; (4) little real satisfaction in the work itself; (5) lack of personal ideals.—(M. A. Seidenfeld)

9073. **Likert, Rensis.** (U. Michigan, Ann Arbor.) **Motivation: the core of management.** *Amer. Mgmt Ass. Personnel Ser.*, 1953, No. 155, 3–21.—A brief overview is given of the researches on productive efficiency carried on by the Institute for Social Research. The research is designed to discover the principles of organizational structure and the leadership practices responsible for high productivity and high job satisfaction. Non-personal factors such as satisfaction with the company are not related to high productivity. High productivity is associated with "employee-centered" supervision, general rather than close supervision, skill in supervising the group as a group. Application of these and related findings resulted in improvements both in productivity and job attitudes. —(P. Ash)

9074. **Paterson, Donald G., Gerken, C. d'A., & Hahn, Milton E.** (U. Minnesota, Minneapolis.) **Revised Minnesota Occupational Rating Scales.** Minneapolis: University of Minnesota Press, 1953. ix, 85 p. (Minn. Stud. Student Personnel Wk, No. 2.) $2.00. —This is a revision of the scale published in 1941, and has the same general purposes: to define the ability pattern for a specific occupation. This revised MORS consists of ratings for 7 abilities or aptitudes as these are required for each of 432 occupations. The 7 aptitudes are: Academic, Mechanical, Social, Clerical, Musical, Artistic, Physical. Patterns are presented for groups of occupations calling for similar high or low abilities. Of the 432 occupations, 214 different patterns appeared, 137 unique, and 77 covered from two to 18 occupations each.—(R. W. Husband)

9075. **Rock, Milton L., & Greig, John J. Charting a realistic course for executive development.** *Personnel*, 1954, **30**, 367–374.—Executive development, in

contrast to supervisory development, is primarily a problem of planning for the individual. Thus, executive development programs require analysis of individual needs, aspirations, and potential in relation to company plans and needs. Individual assessment is best performed by professional psychological analysis, with especial attention to the reality of individual aspirations. The results of such analyses are recorded in developmental time schedules, which may be compared with company needs in organizational chart form.—(D. G. Livingston)

(See also abstracts 8306, 8805)

SELECTION & PLACEMENT

9076. **Bixby, Joanne T. How tests can improve selection of engineers.** *Machine Design*, 1951, **23** (11), 111-114.—(See *Industr. Train. Abstr.*, 1953, **7** (2), 28, abs. 64.)

9077. **Bonnardel, R. Le test R.C.B. (Test de réactions complexes.)** (Test R.C.B. (Test of complex reactions.)) *Travail hum*, 1953, **16**, 267-273.—By means of a control board the operator can present a wide variety of stimuli: vertical, horizontal, or oblique bars; white or black points; etc., at various rates, and calling for reactions of hands, feet, or choice reactions. Phenomena possible to demonstrate include learning, retroactive inhibition, perseveration, and modifiability. It is suggested for use with various groups of S's: truck drivers, apprentices, and professional sportsmen (exact activity unnamed). It distinguishes between good and mediocre chauffeurs.—(R. W. Husband)

9078. **Flanagan, John C.** (American Institute for Research, Pittsburgh, Pa.) **Improving personnel selection.** *Publ. Personnel Rev.*, 1953, **14**, 107-112.—A plea for more systematic and thorough analysis of job requirements, particularly stressing the collection of factual data on which to base selection procedures. The "systematic collection of data regarding the critical aspects of job performance is also very valuable in developing measures for those personality characteristics usually referred to as the intangibles." Four specific approaches were suggested for the collection of data to predict the intangibles: biographical data blanks, differential information tests, multiple-choice situation tests and situational performance tests.—(A. J. Spector)

9079. **Goguelin, P. Étude du poste de dispatcher dans l'industrie électrique et de la sélection pour ce poste.** (Analysis of electrical dispatcher's job, and selection for this position.) *Travail hum.*, 1953, **16**, 197-205.—There are three main types of dispatchers: central, regional, and local; the duties of each are described. Likely mistakes are pointed out in terms of fatigue, time of day, and type of act. The test battery consists of group and individual tests of mechanical comprehension, verbal and logical intelligence, speed of mental calculation, disarranged sentences, six memory tests, and an obstacle test. The author claims this battery appraises an individual as well as his supervisor can after many months.—(R. W. Husband)

9080. **Guguenheim, C. Note sur les conditions de passage d'un test.** (Note on conditions for passing a test.) *Travail hum.*, 1953, **16**, 274-279.—Two homogeneous groups of apprentices were given a test, either individually or collectively in groups of 2 or 3. The scores depended upon conditions, the best results being on the part of a team accustomed to working together. Differences widened as the test progressed; less decrement occurred with group than with individual effort.—(R. W. Husband)

9081. **Guilford, J. P., Hertzka, A. F., & Christensen, P. R.** (U. Southern California, Los Angeles.) **A factor-analytic study of evaluative abilities II. Administration of tests and analysis of results.** *Univ. Southern Calif. Rep. Psychol. Lab.*, 1953, No. 9, 1-29.—A battery of 40 tests was administered to 397 air cadets and student officers at four bases of the Air Training Command. Included in the factor analysis were seven scores from the Air Force Aircrew Classification Battery. Of the 47 tests used, 36 were intended as measures of evaluative abilities and 11 were reference tests to help identify previously known factors. Inspection of the scores obtained from the two types of personnel and from the four bases showed them to be sufficiently homogeneous to be treated as from a single population.—(G. C. Carter)

9082. **Hollander, Edwin P., & Saugser, Emerson R., Jr.** (U. S. Naval Sch. Aviat. Med., Pensacola, Fla.) **A further consideration of peer nominations on leadership in the Naval Air Training Program.** *U. S. Naval Sch. Aviat. Med. Res. Rep.*, 1953, Proj. No. NM 001 058.16.02, 8 p.—This study determined the relationship between peer nominations on leadership, among Naval Aviation Cadets at Pre-Flight, and ultimate completion or failure in the Naval Air Training Program. With a sample of 268 cases, it was found that leadership nominations predicted the pass-fail flight criterion at a significant level ($r = .27$). Final pre-flight average was of about equal value as a predictor of this criterion ($r = .28$). Neither officer-like-qualities grades, assigned by superior officers at pre-flight, nor the ACE Test were found to predict this criterion at a significant level. A multiple R of .33 was yielded from these four variables taken against the pass-fail flight criterion. The beta weights obtained indicated that leadership nominations and final pre-flight average were bearing the load of prediction.

9083. **Larcebeau, S. Validations de tests.** (Validations of tests.) *Année psychol.*, 1953, **53**, 553-562.—The most valuable tests in both intellectual and manual occupations are the tests of intelligence and information. Arithmetic knowledge possesses considerable validity for numerous professions. 21 references.—(G. E. Bird)

9084. **Lockman, Robert F.** (U. S. Naval Sch. Aviat. Med., Pensacola, Fla.) **Readability of NavCad selection tests.** *U. S. Naval Sch. Aviat. Med. Res. Rep.*, 1953, Proj. No. NM 001 057.16.05, 3 p.—This inves-

tigation concerned the readability of psychological tests used for selection and experimental purposes with Naval Aviation Cadets. 13 tests were analyzed with a modified Flesch readability formula. The readability of the test directions, instructions, and items was computed separately. It was found that all but one of these tests, which is infrequently used, were at suitable levels of reading ease for the range of cadet reading ability.

9085. **Matthews, Jack, & Lupfer, Barbara. The development, analysis and validation of tests to measure non-intellectual aspects of officer aptitude.** Pittsburgh, Pa.: American Institute for Research, 1952. v.p.—A two and one-half year project was carried out using members of a U. S. Air Force Officers Candidate School to determine the effectiveness of paper-and-pencil tests in measuring non-intellectual aspects of officer aptitude. Test items were developed to measure four broad areas: accepting organizational responsibility; accepting personal responsibility; maintaining proficiency under emotional stress; and working effectively with others. Final results were considered by authors to be unsatisfactory, because of the difficulty of developing satisfactory criteria, and an inability to demonstrate the validity of the multiple choice items used in this project.—(B. Sless)

9086. **Morin, J. Le test des boulons de chlique.** (The bolt test.) *Travail hum.*, 1953, **16**, 287–290.—For picking workers, a test was devised involving nuts and bolts of nine different diameters. Norms were derived from 1100 illiterates, the experimenter noting time to screw and unscrew, and general conduct.—(R. W. Husband)

9087. **Rohles, Frederick H., Jr. Construction and validation of a test battery as determinant of overseas adjustment potential.** *Arctic Aeromed. Lab. Res. Rep.*, 1953, Proj. No. 22-0201-022, Res. Rep. No. 1, Ser. 2, 46 p.—A biographical inventory was constructed and administered to 701 airmen in the Alaskan Air Command and the individual items were validated against the criterion of duty tour extension status. 2 keys were developed and cross-validated which yielded validity coefficients of .469 and .543. While this inventory is only 1 tool for aiding in the selection of personnel for Alaskan duty, it serves as a guide for the development and validation of additional selection devices.

9088. **Schenkel, Kenneth Francis. Tabulator operator selection, emphasizing relationships among aptitudes, interests, proficiency, job- and vocational-satisfaction.** *Dissertation Abstr.*, 1953, **13**, 1251–1252.—Abstract of Ph.D. thesis, 1953, U. Minnesota.

9089. **Uhrbrock, Richard S. Recruiting the college graduate: a guide for company interviewers.** New York: American Management Association, 1953. 31 p. $1.25.—A step-by-step guide for interviewing college graduates is outlined. The first-stage interview, conducted on the college campus, is an evaluation or appraisal interview. If the candidate is accepted he should be referred for an intensive second-stage interview on the company premises. "It is suggested that area interviewing should be practiced at the time of the company visit...by requiring each interviewer to investigate one segment of the applicant's total history.... The decision to hire should be made after considering the recommendations of all the interviewers." An annotated transcript of a plant-visit interview is included. 23 references.—(P. Ash)

9090. **Voth, Harold M. Psychiatric screening in the armed forces.** *Amer. J. Psychiat.*, 1954, **110**, 748–753.—A report based on screening procedures used at two recruit training centers is presented. Issue is taken with the current belief that psychiatrists can detect potential psychiatric casualties on the basis of a brief screening interview. Recommendations are accordingly made for better utilization of such psychiatric services in the military services.—(N. H. Pronko)

9091. **Wald, Robert Martin. A psycho-educational study of top-level business and industrial executives.** *Dissertation Abstr.*, 1953, **13**, 1096–1097.—Abstract of Ph.D. thesis, 1953, Northwestern U.

LABOR-MANAGEMENT RELATIONS

9092. **Crooks, Robert M.** (United Parcel Service, New York.) **Developing good attitudes among our people.** *Personnel J.*, 1954, **32**, 374–377.—In two two-hour conferences using charts, the author explains the relationships between the employees, management, customers, and owners to non-supervisory employees. This method has been effective in developing good morale by showing each employee the importance of his job in achieving the company's objective of delivering parcels with quality service at reasonable cost.—(M. B. Mitchell)

9093. **Dahle, Thomas L.** (Purdue U., Lafayette, Ind.) **An objective and comparative study of five methods of transmitting information to business and industrial employees.** *Speech Monogr.*, 1954, **21**, 21–28.—To determine the effectiveness of 5 methods of communication from management to employees, 1030 students, 84 industrial, and 528 business employees were used separately in 3 experiments. Effectiveness was measured by means of multiple choice questions based on the material communicated. The methods of transmission, ranked from most to least effective, were: (1) Oral and written; (2) Oral; (3) Written; (4) Bulletin board; (5) Grapevine. "Regardless of method used 'old' (more than one year) employees scored higher than 'new' (less than one year) employees."—(D. Lebo)

9094. **French, Seward H., Jr. Measuring progress toward industrial relations objectives: some methods of reporting results of personnel activities.** *Personnel*, 1954, **30**, 338–347.—A description of the graphic and pictorial methods by which the industrial relations department of a large steel firm reports and assesses its own activities and significant personnel trends. Of central importance is a device known as the "industrial relations index," which facilitates

inter-plant comparisons and assists management decisions.—(D. G. Livingston)

9095. **Hay, Edward H. What kind of job evaluation? —a reply.** *Publ. Personnel Rev.*, 1953, **14**, 123–127. —Examines Lutz's (see **28**: 9097) criticisms of job evaluation plans and briefly describes the characteristics of the factor comparison, percent and profile methods of evaluation. Asserts that jobs can be evaluated by comparisons on three cardinal aspects: (1) knowledge required to do the job; (2) problems to be solved; (3) accountability for results.—(A. J. Spector)

9096. **Kallejian, Verne; Brown, Paula, & Weschler, Irving R. The impact of interpersonal relations on ratings of performance.** *Publ. Personnel Rev.*, 1953, **14**, 166–170.—Supervisors' ratings of work groups were successfully predicted by a clinically skilled interviewer on the basis of worker interviews. Predictions were based primarily on 3 variables: (1) a diagnostic evaluation of the personality of the rater; (2) his relationship with the ratees; (3) situational factors. Predictions of over-all effectiveness of performance ratings were accurate at the 3% level, while predictions of ratings on 17 specific characteristics of performance were accurate at the 5% level. The authors conclude that more objective judgments should result from recognition of the biasing influence of the 3 variables.—(A. J. Spector)

9097. **Lutz, Leland D. What kind of job evaluation?** *Publ. Personnel Rev.*, 1953, **14**, 119–122.—An examination of some of the bases and claims of job evaluation plans, particularly point and percent methods. Since "Pay differentials, like job worth, can never be measured by established scientific quantitative methods" these methods should assure "the exercise of considered and informed judgment rather than the illusory and psychologically tenuous ideal of precise measurement."—(A. J. Spector)

9098. **Sayles, Leonard R.** (U. Michigan, Ann Arbor.) **Field use of projective methods: a case example.** *Sociol. soc. Res.*, 1954, **38**, 168–173.—A challenging area of industrial relations research is that of the relationship of union members to their leaders. In a field research project focused on member attitudes to the grievance procedure in several manufacturing plants it was noted that the approach would permit an evaluation of the member-leader relationship, without directly probing this sensitive area. The author discusses how the projective methods of interviewing were utilized in this case study.—(S. M. Amatora)

9099. **Schoenfeld, Erwin.** (Arwood Precision Casting Corp., Brooklyn, N. Y.) **Client-centered therapy in industry.** *Personnel J.*, 1954, **32**, 410–412.—Although client-centered therapy has many limitations, it is suitable for the type of clients who can be handled in an industrial situation. It is a useful method of improving morale.—(M. B. Mitchell)

9100. **Schwab, Robert E.** (Detroit (Mich.) Edison Co.) **Motivation and human relations principles.** *Amer. Mgmt Ass. Personnel Ser.*, 1953, No. 155, 30–39.—The application of research in supervision and human relations in the management of the Detroit Edison Company is described, and illustrated with a few short case histories. Emphasis is placed on the need to ensure effective employee participation in decisions which affect him. "The principle of participation in industry is especially significant because of its presence as an important element in all other phases of our living in a democracy."—(P. Ash)

9101. **Waggoner, William G.** (Region 2, Bureau Reclamation, Sacramento, Calif.) **Getting back into focus on performance ratings.** *Personnel J.*, 1954, **33**, 17–18.—The performance rating should not contain mere perfunctory comments, but should contain personalized comments. Furthermore, it should be the basis for an interview centering around the efforts, ambitions and plans of the employee and his supervisor. Ratings should be fair to all. Inefficient employees should be rated in accordance with their performance.—(M. B. Mitchell)

INDUSTRIAL AND OTHER APPLICATIONS

9102. **Hubbard, Alfred W., & Seng, Charles N.** (U. Illinois, Urbana.) **Visual movements of batters.** *Res. Quart. Amer. Ass. Hlth phys. Educ.*, 1954, **25**, 42–57. —"The visual basis for tracking a pitched ball in terms of head and eye movements" was investigated. 42 University players and 59 professional players were observed and 29 professional players were photographed in batting practice. Tracking of the ball was interrupted somewhere between 8 to 15 feet from the plate either because it was not considered useful or was found non-feasible at the high velocities involved. It was found that the start of the step was geared to the release of the ball by the pitcher, while the start of the swing as well as the finish of the step were geared to the ball speed. 17 references.—(M .A. Seidenfeld)

(See also abstract 8280)

INDUSTRY

9103. **Allen, Merrill J., Fitts, Paul M., & Slivinske, Alec J. A moving target optical projector for use in air traffic control research.** *USAF WADC, Tech. Rep.*, 1954, No. 53-417, iv, 8 p.—The specifications and design of a moving target optical projector are described. This projector was specifically designed to meet the requirements of a versatile research apparatus in human engineering studies of air traffic control systems based upon ground displays of radar derived information. The most important features of the simulator unit herein described are (1) the linearity and precision of target movement which can be obtained without distortion or loss of focus of the image, (2) the flexibility of coding provided for the target image and the area immediately surrounding each image, and (3) flexibility in providing a simulated one-man display or a large projection screen which can be used by several controllers.

9104. **Biegeleisen-Żelazowski, Bronisław. Krytyka burżuazyjnych teorii wydajności pracy.** (Criticism of the bourgeois theories of the productivity of work.) *Myśl Współcz.*, 1950, No. 2 (45), 275–300.—The author criticises physiological, psychological, economical and technological (Taylor) theories of the productivity of work. Especially sharp is the criticism of the psychological approach. "Psychological methods in no way could give foundations for the investigation of human work since they were based on the faulty idealistic theories." 33 references.—(M. Choynowski)

9105. **Black, John W.** (U. S. Naval Sch. Aviat. Med., Pensacola, Fla.), **Tolhurst, Gilbert C., & Morrill, S. N. Applications of mutiple-choice speech intelligibility tests in the evaluation and use of voice communication equipment.** *U. S. Naval Sch. Aviat. Med. Res. Rep.*, 1953, Proj. No. NM 001 064.01.19, Rep. No. 19, 22 p.—This report summarized approximately 20 studies in which the multiple-choice intelligibility tests provided the criterion scores. The purpose of the report is two-fold: (1) to explain through multiple examples the possibilities and limitations of tests of this type; (2) to present experimental findings relative to the voice signal and appraisals of voice communication equipment. A featured potential of the multiple-choice tests is in a "speed-of reaction" test, termed Response Readiness.

9106. **Brouha, Lucien. Fatigue—measuring and reducing it.** *Advanced Mgmt*, 1954, **19** (1), 9–19.—By establishing the heart rate recovery curves and by measuring the changes in body temperature after work it is possible to determine the influence of many of the factors contributing to industrial fatigue. Charts that illustrate the effect of these factors are offered. Industrial fatigue can be reduced by (1) improving the environmental conditions to the best possible level, (2) designing machines and tools for maximum efficiency with minimum physiological stress, (3) choosing workers on the basis of their physiological fitness. 23 references.—(H. Moore)

9107. **Goguelin, P. Un apprentissage rationnel du code de la route.** (Rational learning of rules of the road.) *Travail hum.*, 1953, **16**, 280–282.—A diagram shows all situations in which a car driver may find himself, and enables rapid checking of knowledge of motor vehicle laws.—(R. W. Husband)

9108. **Hahn, Clifford P. The identification and description of some critical aircrew job requirements.** *USAF Sch. Aviat. Med. Proj. Rep.*, 1954, Proj. No. 21-29-014, Rep. No. 2, iii, 40 p.—Several thousand incidents of effective and ineffective behavior were elicited from flying officers by standardized interview procedures in order to define critical aspects of performance common to several aircrew jobs. The incidents were classified in terms of a relatively small number of job elements, which were then refined statistically in order to increase within-element homogeneity and between-element independence. Specifications were then developed for the construction of appropriate aptitude tests.

9109. **Imber, Burton M., Stern, Irwin D., & Vanderplas, James M. Visual field restriction and apparent size of distant objects.** *USAF WADC, Tech. Rep.*, 1954, No. 54-23, iii, 12 p.—The present study was an attempt to isolate the factor of visual field restriction, without optical magnification, and to determine what effect, if any, this kind of restriction in the visual field has upon the apparent size of distant objects. The results indicate that no consistent decrease in apparent size results from visual field restriction *per se*. It was found that a slight but consistent increase in apparent size occurred with all apertures used. It is hypothesized that slight overestimation of distance by the observers may have resulted in the apparent size increases found. It is suggested that factors inherent in optical systems may account for the large decreases in apparent size found when telescopes or periscopes are used.

9110. **Leplat, J. Travaux récents de "technologie humaine."** (Recent works on human engineering.) *Année psychol.*, 1953, **53**, 517–537.—Heretofore work problems were unilateral, the technician occupying himself with the material, the psychologist with the individual. In human engineering the human factor is important and employs experimental methods. The man-machine is a unity, or a whole. The learning of tasks is made easier. Instead of conquering certain difficulties, they are removed through more light on those difficulties and the factors conditioning them. The work of many investigators is cited and reference is made to motion study. 29 references.—(G. E. Bird)

9111. **Malone, Florence L. A preliminary field evaluation of the relative detectability of colors for air-sea rescue.** *USN Submar. Med. Res. Lab. Rep.*, 1953, **12** (22), Rep. No. 237, v, 5 p.—This study investigated the relative detectability of a series of Munsell reds (10YR to 10R 6/10, 5/10), fluorescent paints, International Orange, and the standard lifeboat yellow. Observations were made from a P4Y-IP aircraft flying at altitudes of 1000 and 500 feet and at distances of three quarters of a mile to one and three quarters miles from the spun aluminum targets, 34" in diameter. Colors from 2.5 Red to 7.5 Red were detected first and second a significantly greater percentage of the time than the standard lifeboat yellow. The fluorescents and International Orange also showed greater detectability than lifeboat yellow.

9112. **Miles, Herbert J. The taxicab driver.** *Dissertation Abstr.*, 1953, **13**, 1287.—Abstract of Ph.D. thesis, 1953, U. Missouri.

9113. **Reidy, Joseph J., & Drury, Horace F. Some factors in the emotional adjustment of radar observers in jet fighter interceptor aircraft.** *Arctic Aeromed. Lab.*, 1953, Proj. No. 22-1201-0000, Spec. Rep. No. 1, iii, 7 p.—2 groups of radar observers assigned to jet fighters were compared emotionally. 1 group included older men who had shown symptoms of poor adjustment. The second group included younger men of slighter body build. The members of the second group were assigned to a particular pilot. The conclusions indicate the advantage of assignment to 1

pilot and of screening for body build in relation to air crew space.

9114. **Rosenberg, Nathan. Time to complete naval air training as an additional criterion of success.** *U. S. Naval Aviat. Med. Res. Rep.*, 1954, Proj. No. NM 001 077.01.04, 6 p.—This study investigated training time of successful cadets in order to purify criterion groups for research purposes. It was found that variability in training time is large enough for its adoption as a supplementary criterion measure. Furthermore, the cadet who is extremely slow to complete training is characterized by extremely poor performance, particularly with respect to flight performance itself. It is recommended that successful cadets who require 20 or more months to complete training be eliminated from the pass criterion group. It is apparent from the results reported here that their flight performance is similar to the cadet group who have failed.

9115. **Saul, Ezra V., & Hirsch, Richard S.** (Tufts Coll., Medford, Mass.) **Psychological problems in marksmanship of infantry type weapons.** *J. Psychol.*, 1954, **37**, 257-270.—30 references are reviewed, covering chiefly foreign or military classified literature, and principally concerned with direct-fire or line-of-sight weapons. Three main headings on marksmanship are covered: visual factors, motor factors, and training. The authors point out that there are few experimental studies, conclusions being based largely on "expert opinion," anecdote, or existing practices. —(R. W. Husband)

9116. **Smeed, R. J. Some factors affecting visibility from a driver's seat and their effect on road safety.** *Brit. J. physiol Optics*, 1953, **10**, 63-84.—(See *Ophthal. Lit.*, **7** (3), abs. 1879.)

(See also abstracts 8398, 8450, 8457, 8482)

BUSINESS & COMMERCE

(See abstract 8323)

PROFESSIONS

9117. **Gardiner, Charles S., & Winters, John H. Identification and measurement of case worker characteristics.** *Publ. Personnel Rev.*, 1953, **14**, 102-106.—A total of 176 descriptions of the most and of the least efficient Field Workers were written by Field Representatives and Supervisors. Characteristics found in the descriptions were assembled into a rating scale. Employed Field Workers were evaluated on this scale by their supervisors. Situational test items were written with the intent of predicting scores on the rating scale.—(A. J. Spector)

9118. **Heberle, Franziska T. Qualifications of candidates for an entrance class in relation to written test scores.** *Publ. Personnel Rev.*, 1953, **14**, 117-118.—Of 502 candidates for the position of Welfare Visitor 76.0% of the college graduates and 54.2% of the non-graduates passed the qualification examination. 82.9% of candidates with social work experience passed the examination, while only 64.5% of those without such experience passed. Greater percentages of college graduates and experienced social workers obtained scores above 83.8%, than did their opposites. 89.3% of college graduates with social work experience passed the examination.—(A. J. Spector)

9119. **Morris, Don P.** (Southwestern Med. Sch., Dallas, Tex.), **& Miller, Carmen. The relationship between chronological age and success in medical school.** *J. med. Educ.*, 1953, **29** (1), 38-43.—A greater proportion of older students were found in a group of medical students who withdrew from school and failed to graduate than in a group who graduated. Further research is suggested in order to determine factors which would account for this finding.—(S. Counts)

9120. **Pearson, Judson Bruce. American business leaders: social characteristics and occupational ascent.** *Dissertation Abstr.*, 1953, **13**, 1291-1292.—Abstract of Ph.D. thesis, 1953, U. Washington.

THE LAST WORD

The Publications Board of the American Psychological Association has appointed an Advisory Committee to PSYCHOLOGICAL ABSTRACTS, with the following members: Edward J. Shoben as Chairman, and William K. Estes and W. Grant Dahlstrom as members. For some years the Editor has felt that for this journal the policy of leaving full responsibility for editorial content to the Editor could not be justified. My reason for this feeling is that the content of the journal must meet the needs of psychologists and an individual Editor may not always reflect the widely varying interests of members of the profession. With this in mind I have recommended for several years that there should be an Advisory Committee responsible to the Publications Board and not to the Editor which would serve to represent the profession. This committee would, on the one hand, suggest needs that it felt were not being met, and, on the other hand, could advise the Editor in respect to policy questions that arise in everyday operations. Suggestions and comments that readers may wish to make to the Editor or to members of the Committee will be welcomed.—(C. M. L.)

* * *

Erratum: Entry 3791 in the May-June 1954 issue for N. H. Livson's "After-effects of prolonged inspection of apparent movement," *Amer. J. Psychol.*, 1953, **66**, 365-376, should read as follows: "'That the phenomenal experience of apparent movement, derived from certain stimulus-conditions, will possess a cortical correlate different from other phenomenal experiences deriving from very similar stimulus-conditions but not involving the impression of movement' was tested and the results were found to support the hypothesis."

Volume, number 1, of *Children* (formerly *The Child*) was published in January-February 1954. This professional journal on services for children and on child life is published 6 times annually by the U. S. Department of Health, Education, and Welfare. Annual subscription price, $1.25 (from Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C.)

• • •

Jacques Hadamard's "An essay on the psychology of invention in the mathematical field," (see **Z3**: 3645) has been reissued in a new $1.25 paperbound edition by Dover Publications of New York.

• • •

The Editorial Office has material available for assignment in Portuguese, Spanish, German, French, and Italian. We are particularly interested in hearing from persons who have a reading competence in Portuguese.

The following journals which are received in the Editorial Office are presently unassigned. We shall be pleased to hear from anyone interested in abstracting any of these journals.

American Journal of Occupational Therapy
American Journal of Psychology
American Psychologist
Boletim do Instituto de Psicologia, Rio de Janeiro
Boletin del Instituto Internacional Americano de Proteccion a la Infancia, Montevideo
Bulletin de l'Institut National d'Etude du Travail et d'Orientation Professionnelle
Cahiers Internationaux de Sociologie
Difesa Sociale
Journal of Education & Psychology (Baroda)
Journal of Educational Psychology
Journal de Psychologie Normale et Pathologique
Mens en Onderneming
Nervenarzt
Praxis der Kinderpsychologie und Kinderpsychiatrie
Psychologische Beitrage
Revista da Universidade Católica de Sao Paulo
Social Problems
Zeitschrift für Experimentelle und Angewandte Psychologie

The following journals which are not received in the Editorial Office are presently unassigned. We shall be pleased to hear from anyone who has access to any of these journals and who would be interested in preparing abstracts regularly on his own responsibility.

American Journal of Physical Anthropology
American Journal of Physical Medicine
American School Board Journal
Annales Médico-psychologiques, Paris
Archives of Physical Medicine & Rehabilitation
Federal Probation
Hearing Survey Quarterly
Human Biology
Journal Lancet
Journal of Cellular and Comparative Physiology
Journal of Clinical Endocrinology and Metabolism
Journal of Experimental Zoology
Journal of Medical Education
New York State Education
Peabody Journal of Education
Personnel Administration
Physiological Review
Quarterly Journal of Experimental Physiology
Review of Scientific Instruments
Vocational Guidance Quarterly

Index Number

Psychological Abstracts

VOLUME 28 DECEMBER 1954 NUMBER 12

LIST OF JOURNALS REGULARLY SEARCHED

So that users of PSYCHOLOGICAL ABSTRACTS may know the extent of our coverage, we publish below the eighth annual list of journals which are regularly searched. This list, revised by the deletion of journals which it is no longer possible to cover regularly and by the addition of other journals, totals 505. Journals received by the editorial office are marked with an asterisk; other journals are searched by the abstracter. The list is correct as of 1 October 1954. In those cases where no abstracter is indicated, the journal is temporarily unassigned.

Acta Biotheoretica. (Acta biother.) (Choynowski)
*Acta Geneticae Medicae et Gemellologiae. (Acta genet. med. gemellolog.) (Schwesinger)
*Acta Neurologica et Psychiatrica Belgica. (Acta neurol. belg.) (Maher)
*Acta Paediatrica, Stockholm. (Acta paediatr., Stockh.) (Prager)
*Acta Psychiatrica et Neurologica, Kjøbenhavn. (Acta psychiat., Kbh.) (Prager)
*Acta Psychologica. (Acta psychol.) (Rubin-Rabson)
*Acta Psychotherapeutica, Psychosomatica et Orthopaedagogica. (Acta psychother. psychosom. orthopaedagog.) (Rubin-Rabson)
*Advanced Management. (Advanc. Mgmt) (Moore)
Advertising Age. (Adv. Age) (Twedt)
Advertising Agency. (Adv. Agency) (Twedt)
*American Annals of the Deaf. (Amer. Ann. Deaf) (Myklebust)
American Anthropologist. (Amer. Anthrop.) (Galt)
American Catholic Sociological Review. (Amer. Cath. sociol. Rev.) (Dominic)
*American Imago. (Amer. Imago) (Varvel)
American Journal of Anatomy. (Amer. J. Anat.) (Waldrop)
American Journal of Diseases of Children. (Amer. J. Dis. Child.) (Sterne)
*American Journal of Human Genetics. (Amer. J. hum. Genet.) (Schoonover)
*American Journal of Individual Psychology. (Amer. J. indiv. Psychol.) (Howard)
*American Journal of Mental Deficiency. (Amer. J. ment. Defic.) (Staudt)
American Journal of Nursing. (Amer. J. Nurs.) (Amatora)
*American Journal of Ophthalmology. (Amer. J. Ophthal.) (Shaad)
*American Journal of Optometry. (Amer. J. Optom.) (Shaad)
*American Journal of Orthopsychiatry. (Amer. J. Orthopsychiat.) (Perl)
American Journal of Pathology. (Amer. J. Path.) (Waldrop)
American Journal of Physical Anthropology. (Amer. J. phys. Anthrop.)
American Journal of Physical Medicine. (Amer. J. phys. Med.)
American Journal of Physiology. (Amer. J. Physiol.) (Zubek)
*American Journal of Psychiatry. (Amer. J. Psychiat.) (Pronko)
*American Journal of Psychoanalysis. (Amer. J. Psychoanal.) (Prager)
*American Journal of Psychology. (Amer. J. Psychol.)
*American Journal of Psychotherapy. (Amer. J. Psychother.) (Solomon)
American Journal of Public Health. (Amer. J. publ. Hlth) (Waldrop)
*American Journal of Sociology. (Amer. J. Sociol.) (Glick)
*A.M.A. Archives of Neurology and Psychiatry. (A.M.A. Arch. Neurol. Psychiat.) (Pennington)
*A.M.A. Archives of Ophthalmology. (A.M.A. Arch. Ophthal.) (Renshaw)
*American Psychologist. (Amer. Psychologist) (Arbit)
American Review of Tuberculosis. (Amer. Rev. Tuberc.) (Vineberg)
American Scholar (Amer. Scholar) (Rubin-Rabson)
American School Board Journal. (Amer. Sch. Bd J.)
American Scientist. (Amer. Scientist) (Louttit)
*American Sociological Review. (Amer. sociol. Rev.) (Fitzpatrick)
Analysis. (Analysis) (Choynowski)
Annales Médico-psychologique. (Ann. méd.-psychol.)
Annals of the American Academy of Political and Social Science. (Ann. Amer. Acad. polit. soc. Sci.) (Berkun)
*Annals of Eugenics. London. (Ann. Eugen., Lond.) (Schoonover)
Annals of Internal Medicine. (Ann. intern. Med.) (Yager)
Annals of the Iowa Academy of Science. (Ann. Iowa Acad. Sci.) (Haner)
Annals of Mathematical Statistics. (Ann. math. Statist.) (Carter)
*Annals of the New York Academy of Sciences. (Ann. N. Y. Acad. Sci.) (Ross)
Annals of Otology, Rhinology, and Laryngology, St. Louis. (Ann. Otol., etc., St. Louis) (Loring)
*Année Psychologique. (Année psychol.) (Bird)
*Annual Review of Physiology. (Annu. Rev. Physiol.) (Wayner)
*Annual Review of Psychology. (Annu. Rev. Psychol.) (Louttit)
Aperture. (Aperture) (Sulzer)
Applied Statistics (Appl. Statist.) (Carter)
Archives of Otolaryngology, Chicago. (Arch Otolaryng., Chicago) (Loring)
Archives of Pediatrics. (Arch. Pediat.) (Mensh)
Archives of Physical Medicine & Rehabilitation. (Arch. phys. Med.)
*Archives de Psychologie, Genéve. (Arch. Psychol., Geneve) (Bird)
*Archivio di Filosofia. (Arch. Filos.) (Cantoni)
*Archivio di Psicologia, Neurologia e Psichiatria. (Arch. Psicol. Neur. Psich.) (Manoil)
*Archivos Mexicanos de Neurologia y Psiquiatria. (Arch. mex. Neurol. Psiquiat.) (Filella)
Arhiv za Higjenu Rada, Zagreb. (Arh. Hig. Rada) (Bujas)
Arquivos Brasileiros de Psicotecnica. (Arch. brasil. Psicotecnica) (Florence)
Atlantic Monthly. (Atlant. Mon.) (Colgin)
Audio-Visual Communication Review. (Audio-visual Commun. Rev.) (Sulzer)

*Australasian Journal of Philosophy. (Aust. J. Phil.) (Coleman)
*Australian Journal of Psychology. (Aust. J. Psychol.) (Lichtenstein)
*Australian Social Science Abstracts. (Aust. soc. Sci. Abstr.) (Office)

*Behaviour. (Behaviour) (O'Kelly)
*Beihefte zur Schweizerischen Zeitschrift für Psychologie and ihre Anwendungen. (Beih. Schweiz. Z. Psychol. Anwend.) (David)
Bibliotheca Biotheoretica. (Bibl. biotheor.) (Choynowski)
*Biological Abstracts. Section B. (Biol. Abstr.) (Office)
Biometrics. (Biometrics) (Carter)
Biometrika. (Biometrika) (Carter)
Bieter far Yiddisher Dertsiung. (Bl. yiddisher Dertsiung) (Fishman)
*Boletim do Servico Social dos Menores. (Bol. Serv. soc. Menores) (Clark)
*Boletin del Instituto Internacional Americano de Proteccion a la Infancia, Montevideo) (Bol. Inst. int. amer. Prot Infanc., Montevideo)
*Bollettino della Pubblicazioni Italiana. (Boll. Pubbl. Ital.) (Office)
Brain. (Brain) (Hutt)
*British Journal of Animal Behaviour. (Brit. J. Anim. Behav.) (O'Kelly)
*British Journal of Delinquency. (Brit. J. Delinquency) (Pennington)
*British Journal of Educational Psychology. (Brit. J. educ. Psychol.) (Strassburger)
British Journal of Medical Hypnotism. (Brit J. med. Hypnotism) (Haggerty)
*British Journal of Medical Psychology. (Brit. J. med. Psychol.) (Winder)
*British Journal for the Philosophy of Science. (Brit. J. Phil. Sci.) (Lichtenstein)
*British Journal of Psychology. (Brit. J. Psychol.) (Thune)
*British Journal of Sociology. (Brit. J. Sociol.) (Charters)
*British Journal of Statistical Psychology. (Brit. J. statist. Psychol.) (Carter)
British Journal of Tuberculosis & Diseases of the Chest. (Brit. J. Tuberc.) (Brotman)
Bulletin of the British Psychological Society. (Bull. Brit. psychol. Soc.) (Castle)
*Bulletin du Centre d'Études et Recherches Psychotechniques. (Bull. Cent. Étud. Rech. psychotech.) (Gossette)
*Bulletin on Current Literature; the Monthly Bibliography for Workers with the Handicapped. (Bull. Curr. Lit. Handicapped) (Office)
*Bulletin du Groupe d'Étude Psychologie de l'Université de Paris. (Bull. Gr. Étud. Psychol. Univ. Paris) (Bélanger)
*Bulletin du Groupement Français du Rorschach. (Bull. Group. franç. Rorschach) (Maher)
*Bulletin. Industrial Relations Center, University of Minnesota. (Bull. industr. Relat. Cent. Univ. Minn.) (Wilke)
Bulletin Highway Research Board. (Bull. Highw. Res. Bd) (Zuckerman)
*Bulletin of the Institute of Child Study, Toronto. (Bull. Inst. Child. Stud., Toronto) (Steisel)
*Bulletin de l'Institut National d'Etude du Travail et d'Orientation Professionnelle. (BINOP) (Fleigler)
*Bulletin of the Isaac Ray Medical Library. (Bull. Isaac Ray med. Libr.) (Sprow)
*Bulletin of the Los Angeles Neurological Society. (Bull. Los Angeles neurol. Soc.) (Pennington)
*Bulletin of the Maritime Psychological Association. (Bull. marit psychol. Ass.) (Grether)
*Bulletin of the Menninger Clinic. (Bull. Menninger Clin.) (Varvel)
*Bulletin. School of Education, Indiana University. (Bull. Sch. Educ. Indiana U.) (Strassburger)
*Bulletin of the World Federation for Mental Health. (Bull. World Fed. ment. Hlth) (Franklin)
*Bulletin of the World Health Organization. (Bull. World Hlth Org.) (Franklin)
Business Screen. (Bus. Screen) (Sulzer)

Cahiers Internationaux de Sociologie. (Cah. Int. Sociol.)
Cahiers de Pédagogie de l'Université de Liége. (Cah. Pedag.) (Piret)
*California Journal of Educational Research. (Calif. J. educ. Res.) (Newland)
California Journal of Elementary Education. (Calif. J. elem. Educ.) (Laycock)
*Canadian Journal of Psychology. (Canad. J. Psychol.) (Lawson)
*Case Reports in Clinical Psychology. (Case Rep. clin. Psychol.) (Costin, F.)
*Cerebral Palsy Review. (Cerebral Palsy Rev.) (Newland)
*Child Development. (Child Develpm.) (Baker)
*Child Development Abstracts and Bibliography. (Child Develpm. Abstr.) (Office)
*Child Development Monographs. (Child Develpm. Monogr.)
Child Study. (Child Study) (Rubin-Rabson)
*Child Welfare. (Child Welfare) (Amatora)
*Children. (Children) (Amatora)
*Chronicle of the World Health Organization. (Chron. World Hlth Org.) (Franklin)
*Ciencia, México. (Ciencia, méx.) (Brožek)
*College and Research Libraries. (Coll. & Res. Libr.) (Louttit)
*College Board Review. (Coll. Bd Rev.) (Carter)
*Complex. (Complex) (Strupp)
Comptes Rendus de l'Académie des Sciences, Paris. (C. R. Acad. Sci. Paris) (Burnham)
*Confinia Neurologica. (Conf. neurol.) (Simmel)
Contact, Pensacola. (Contact, Pensacola) (Grether)
Counseling. (Counseling) (Costin, F.)
*Criança Portuguesa. (Criança portug.) (Florence)
*Crippled Child. (Crippled Child) (Speer)
*Cumulative Book Index. (Cumulative Book Index) (Office)
*Current Sociology. (Curr. Sociol.) (Louttit)

Dialectica. (Dialectica) (Choynowski)
*Digest of Neurology and Psychiatry. (Dig. Neurol. Psychiat.) (Pennington)
*Diogenes. (Diogenes) (Louttit)
Diseases of the Chest. (Dis. Chest) (Stewart)
*Dissertation Abstracts. (Dissertation Abstr.) (Office)
*Dokladi Akademii Nauk SSSR. (Dokl. Akad. Nauk SSSR) (London)

Econometrica. (Econometrica) (Edwards)
Education. (Education) (Amatora)
*Educational Administration and Supervision. (Educ. Adm. Superv.) (Amatora)
Educational Leadership. (Educ. Leadership) (Burack)
*Educational and Psychological Measurement. (Educ. psychol. Measmt) (Coleman)
Educational Record. (Educ. Rec.) (Burack)
*Educational Records Bulletin. (Educ. Rec. Bull.) (Bird)
Educational Screen. (Educ. Screen) (Sulzer)
Educational Theory. (Educ. Theory) (Kuenzli)
EEG and Clinical Neurophysiology. (EEG clin. Neurophysiol.) (Ellingson)
*Egyptian Yearbook of Psychology. (Egypt. Yearb. Psychol.) (Melikian)

*Elementary School Journal. (Elem. Sch. J.) (Amatora)
Employment Security Review. (Empimt Secur. Rev.)
*Encéphale. (Encéphale) (Benton)
*Endeavour. (Endeavour). (Louttit)
Endocrinology. (Endocrinology) (Neufeld)
*Enfance. (Enfance) (Wauch)
*Ergologie. (Ergologie) (Husband)
*ETC: A Review of General Semantics. (Etc. Rev. gen. Semant.) (Caffrey)
*Eugenics Quarterly. (Eugen. Quart.) (Schwesinger)
*Eugenics Review. (Eugen. Rev.) (Schwesinger)
*Evolution Psychiatrique. (Evolut. psychiat.) (Fournier)
*Exceptional Children. (Except. Child.) (Newland)
Eye, Ear, Nose and Throat Monthly. (Eye, Ear, Nose Thr. Mon.) (Loring)

Federal Probation. (Fed. Probation) (Brown)
Film World. (Film World) (Sulzer)
Fiziologicheskii Zhurnall S.S.S.R. (Fiziol. Zh. S.S.S.R.) (London)
Folia Biotheoretica. (Folia biotheor.) (Choynowski)
Folia Psychiatrica et Neurologica Japonica. (Folia psychiat. neur. jap.) (Simmel)
Food Research. (Food Res.) (Peryam)
Food Technology. (Food Tech.) (Peryam)
Fortune. (Fortune) (Sisk)

*Gawein. (Gawein) (van den Hout)
*Genetic Psychology Monographs. (Genet. Psychol. Monogr.) (Thompson, G. G.)
*Geriatrics. (Geratrics) (Kuhlen)
Group. (Group) (Raylesberg)
*Group Psychotherapy. (Group Psychother.) (Johnson, V.)

Hahinukh. (Hahinukh) (Ormian)
Harper's Magazine. (Harpers Mag.) (Hutter)
*Harvard Educational Review. (Harv. educ. Rev.) (Strassburger)
Hearing Survey Quarterly. (Hearing Surv. Quart.)
*Heilpädogogische Werkblätter. (Heilpädag. Werkbl.) (Mindlin)
Human Biology. (Hum. Biol.)
*Human Relations. (Hum. Relat.) (Littman)
Humanitas. (Humanitas)
Hygeia. (Hygeia) (Rubin-Rabson)

Illuminating Engineering. (Illum. Engng) (Westheimer)
*Indian Journal of Psychology. (Indian J. Psychol.) (Wunderlich)
*Indian Journal of Social Work. (Indian J. soc. Wk) (Schaef)
*Industrial Training Abstracts. (Industr. Train. Abstr.) (Office)
Instruments. (Instruments) (Womack)
*International Journal of Group Psychotherapy. (Int. J. group Psychother.) (Locke)
*International Journal of Professional Ethics. (Int. J. prof. Ethics.) (Lebo)
*International Journal of Psycho-Analysis. (Int. J. Psycho-Anal.) (Elias)
*International Journal of Sexology. (Int. J. Sexol.) (Arbitman)
*International Record of Medicine and General Practice Clinics. (Int. Rec. Med.) (Pennington)
*International Social Science Bulletin. (Int. soc. Sci. Bull.) (Grace)
Izvestiîa Akademii Pedagogicheskikn Nauk RSFSR. (Izv. Akad. pedag. Nauk RSFSR) (London)

*Jahrbuch für Psychologie und Psychotherapie. (Jb. Psychol. Psychother.) (Eng)
*Jamaican Historical Review. (Jamaican hist. Rev.)
*Japanese Journal of Psychology. (Jap. J. Psychol.) (Niyekawa)
Jewish Education. (Jewish Educ.) (Fishman)
*Jewish Social Service Quarterly. (Jewish soc. Serv. Quart.) (Seidenfeld)
Jewish Social Studies. (Jewish soc. Stud.) (Perl)
*Jornal Brasileiro de Psiquiatria. (J. brasil. Psiquiat.) (Wieder)
Journal Lancet. (J. Lancet)
*Journal of Abnormal and Social Psychology. (J. abnorm. soc. Psychol.) (Solomon)
*Journal of the Acoustical Society of America. (J. acoust. Soc. Amer.) (Pollack)
Journal of Aesthetics & Art Criticism. (J. Aesthet.) (Farnsworth)
Journal of Agricultural and Food Chemistry. (J. agric. food chem.) (Peryam)
Journal of the American Medical Women's Association. (J. Amer. med Wom. Ass.) (Neufeld)
*Journal of the American Psychoanalytic Association. (J. Amer. psychoanal. Ass.) (Prager)
Journal of the American Society for Psychical Research. (J. Amer. Soc. psych. Res.) (Moran)
*Journal of the American Statistical Association. (J. Amer. statist. Ass.) (Carter)
*Journal of Applied Psychology. (J. appl. Psychol.) (Ash)
Journal of the Association for Physical and Mental Rehabilitation. (J. Ass. phys. ment. Rehabilit.) (Fensterheim)
*Journal of Aviation Medicine. (J. Aviat. Med.) (Vanderplas)
Journal of Cellular and Comparative Physiology. (J. cell. comp. Physiol.) (Ehmer)
*Journal of Child Psychiatry. (J. Child Psychiat.) (Louttit)
Journal of Clinical Endocrinology and Metabolism. (J. clin. Endocrin.)
*Journal of Clinical and Experimental Hypnosis. (J. clin. exp. Hypnosis) (Aiken)
*Journal of Clinical and Experimental Psychopathology. (J. clin. exp. Psychopath.) (Kavruck)
*Journal of Clinical Psychology. (J. clin. Psychol.) (Heathers)
Journal of the Colorado-Wyoming Academy of Science. (J. Colo.-Wyo. Acad. Sci.) (Rogers)
*Journal of Communication. (J. Communication) (Meister)
Journal of Comparative Neurology. (J. comp. Neurol.) (Stone, C.P.)
*Journal of Comparative and Physiological Psychology. (J. comp. physiol. Psychol.) (O'Kelly)
*Journal of Consulting Psychology. (J. consult. Psychol.) (Costin, F.)
*Journal of Correctional Education. (J. correctional Educ.) (Tunney)
*Journal of Counseling Psychology. (J. counsel. Psychol.) (Solomon)
*Journal of Criminal Law and Criminology. (J. crim. Law Criminol.) (Corsini)
*Journal of Education and Psychology, Baroda. (J. Educ. & Psychol., Baroda)
*Journal of Educational Psychology. (J. educ. Psychol.)
*Journal of Educational Research. (J. educ. Res.) (Murphy)
*Journal of Educational Sociology. (J. educ. Sociol.) (Amatora)
Journal of Engineering Education. (J. engng Educ.) (Speer)
Journal of Experimental Biology. (J. exp. Biol.) (Weiss)
*Journal of Experimental Education. (J. exp. Educ.) (Gardner)
Journal of Experimental Medicine. (J. exp. Med.) (Knoll)
*Journal of Experimental Psychology. (J. exp. Psychol.) (Arbit)
Journal of Experimental Zoology. (J. exp. Zool.)

Journal of the Franklin Institute. (J. Franklin Inst.) (Burnham)
Journal of General Physiology. (J. gen. Physiol.) (Marzolf)
*Journal of General Psychology. (J. gen. Psychol.) (Stanford)
*Journal of Genetic Psychology. (J. genet. Psychol.) (Luria)
Journal of Gerontology. (J. Geront.) (Birren)
*Journal of Heredity. (J. Hered.) (Schwesinger)
*Journal of Higher Education. (J. higher Educ.) (Murphy)
*Journal of the Hillside Hospital. (J. Hillside Hosp.) (Bever)
Journal of Home Economics. (J. Home Econ.) (Elinson)
*Journal of Human Relations. (J. hum. Relat.) (Hollander)
Journal of Mammalogy. (J. Mammal.) (Kenshalo)
Journal of Medical Education. (J. med. Educ.)
*Journal of Mental Science. (J. ment. Sci.) (Wilkins)
Journal of the National Association of Deans of Women. (J. nat. Ass. Deans Wom.) (Zachert)
Journal of the National Education Association. (J. nat. Educ. Ass.) (Rubin-Rabson)
*Journal of the National Institute for Personnel Research, Johannesburg. (J. nat. Inst. pers. Res., Johannesburg) (Walker)
*Journal of Negro Education. (J. Negro Educ.) (Bishop)
*Journal of Nervous and Mental Disease. (J. nerv. ment. Dis.) (Pronko)
*Journal of Neurology, Neurosurgery and Psychiatry. (J. Neurol. Neurosurg. Psychiat.) (Simmel)
Journal of Neuropathology and Experimental Neurology. (J. Neuropath. exp. Neurol.) (Simmel)
*Journal of Neurophysiology. (J. Neurophysiol.) (Van Cott)
*Journal of the Operations Research Society of America. (J. operat. res. Soc. Amer.) (Marks)
*Journal of the Optical Society of America. (J. opt. Soc. Amer.) (Ratliff)
Journal of Parapsychology. (J. Parapsychol.) (Pratt)
Journal of Pastoral Care. (J. Pastoral Care) (Fairchild)
Journal of Pediatrics. (J. Pediat.) (Templin)
*Journal of Personality. (J. Pers.) (Wilson)
*Journal of Personnel Administration and Industrial Relations. (J. pers. Adm. industr. Relat.) (Silverman)
Journal of Physiology. (J. Physiol.) (Maher)
*Journal of Projective Techniques. (J. proj. Tech.) (Jensen)
*Journal of Psychiatric Social Work. (J. psychiat. soc. Wk) (Costin, L.)
*Journal de Psychologie Normale et Pathologique. (J. Psychol. norm. path.)
*Journal of Psychology. (J. Psychol.) (Husband)
*Journal of Psychotherapy as a Religious Process. (J. Psychother.) (Johnson, P. E.)
*Journal of Rehabilitation. (J. Rehabilit.) (Seidenfeld)
*Journal of Social Issues. (J. soc. Issues) (McCord)
*Journal of Social Psychology. (J. soc. Psychol.) (Franklin)
*Journal for Social Research, Pretoria. (J. soc. Res., Pretoria) (De Palma)
Journal of the Society of Motion Picture and Television Engineers. (J. Soc. Mot. Pict. Engrs) (Sulzer)
*Journal of the Society for Psychical Research, London. (J. Soc. psych. Res., Lond.) (Jacobsen)
*Journal of Speech and Hearing Disorders. (J. Speech Hearing Disorders) (Palmer)
Journal of Teacher Education. (J. Teach. Educ.) (Bowers)
*Journal of Vocational and Educational Guidance. (J. voc. educ. Guidance) (Barnette)
*Journalism Quarterly. (Journalism Quart.) (Brown, J. M.)

*Kodak Monthly Abstract Bulletin. (Kodak Mon. Abstr. Bull.) (Office)
*Kölner Zeitschrift für Soziologie. (Köl. Z. Soziol.) (Haas)
*Kyōiku Kagaku. (Kyōiku kagaku) (Niyekawa)

Lancet. (Lancet) (Kramish)
Language. (Language) (Carroll)
*Library Quarterly. (Libr. Quart.) (Louttit)
Liječnicki Vjesnik, Zagreb. (Liječn. Vijesn.) (Bujas)
*Literature and Psychology. (Lit. & Psychol.) (Louttit)

*Marriage and Family Living. (Marriage Fam. Living) (Gillet)
*Menninger Quarterly. (Menninger Quart.) (Varvel)
*Mensch und Arbeit. (Mensch u. Arbeit) (Schwerin)
*Mental Health, London. (Ment. Hlth, Lond.) (Coppie)
*Mental Hygiene. (Ment. Hyg., N. Y.,) (Seidenfeld)
M'gamot. (M'gamot) (Ormian)
*Military Review, Fort Leavenworth. (Milit Rev., Ft. Leavenworth) (Seidenfeld)
Military Surgeon. (Milit. Surg.) (Freud)
*Mind. (Mind) (Wilkins)
Modern Quarterly. (Mod. Quart.) (Choynowski)
*Monographs of the Society for Research in Child Development. (Monogr. Soc. Res. Child Developm.) (Templin)

National Education Research Bulletin. (Nat. Educ. Res. Bull.) (Rubin-Rabson)
National Parent-Teacher. (Nat. Parent-Teacher) (Rubin-Rabson)
Nature, London. (Nature, Lond.) (Assum)
Nederlands Tijdschrift voor Psychologie. (Ned. Tijdschr. Psychol.)
*Nervenarzt. (Nervenarzt)
*Nervous Child. (Nerv. Child) (Speer)
*Neurology. (Neurology) (O'Kelly)
*Neurone. (Neurone) (Manoil)
*Neuropsychiatry. (Neuropsychiat.) (Wilkins)
New Biology. (New Biol.) (Choynowski)
New Outlook for the Blind. (New Outlook for the Blind) (Raskin)
*New Scholasticism. (New Scholast.) (Speer)
*Nordisk Psykologi. (Nord. Psykol.) (Karlsen)
*Norsk Pedagogisk Tidsskrift. (Norsk ped. Tidsskr.) (Karlsen)
Nouvelle Revue Pédagogique. (Nouv. Rev. pedag.) (Piret)
Nursing Outlook. (Nurs. Outlook) (Amatora)
Nursing Research. (Nurs. Res.) (Amatora)

Ofakim. (Ofakim) (Ormian)
*Occupational Psychology. (Occup. Psychol.) (Speer)
*Ophthalmic Literature. (Ophthal. Lit.) (Office)
*Ophthalmologica. (Ophthalmologica) (Renshaw)
Optical Journal and Review of Optometry. (Opt. J. Rev. Optom.) (Bartley)
*Optometric Weekly. (Optom. Wkly) (Shaad)

Parents Magazine. (Parents Mag.) (Rubin-Rabson)
*Pastoral Psychology. (Pastoral Psychol.) (Johnson, P. E.)
Peabody Journal of Education. (Peabody J. Educ.) (Kostisk)
Pedagoski Rad, Zagreb. (Pedag. Rad, Zagreb) (Bujas)
*Pediatrics. (Pediatrics) (Templin)
*Personnel. (Personnel) (Livingston)

*Personnel & Guidance Journal. (Personnel Guid. J.) (Speer)
*Personnel Journal. (Personnel J.) (Mitchell)
*Personnel Practice Bulletin. (Personnel Pract. Bull.) (Walker)
*Personnel Psychology. (Personnel Psychol.) (Thompson, A.)
Philips Research Reports. (Philips Res. Rep.) (Burnham)
Philips Technical Review. (Philips tech. Rev.) (Burnham)
*Philosophical Review. (Phil. Rev., N. Y.) (Seidenfeld)
Philosophical Studies. (Phil. Stud.) (Choynowski)
*Philosophy and Phenomenological Research. (Phil. phenomenol. Res.) (Lichtenstein)
*Philosophy of Science. (Phil. Sci.) (Ruja)
Physica. (Physica) (Burnham)
Physiological Review. (Physiol. Rev)
Physiological Zoölogy. (Physiol. Zool.) (Geller)
*Praxis der Kinderpsychologie und Kinderpsychiatrie. (Prax. Kinderpsychol. Kinderpsychiat.) (Ross)
Priroda. (Priroda) (Choynowski)
Problemy Fiziologicheskoi Optiki. (Probl. fiziol. optiki.) (London)
Proceedings of the American Philosophical Society. (Proc. Amer. phil. Soc.) (Boring)
*Proceedings Conference Child Research Clinic of the Woods Schools. (Proc. Conf. Child Res. Clin. Woods Schs) (Newland)
Proceedings Highway Research Board, Washington. (Proc. Highway Res Bd, Wash.) (Zuckerman)
Proceedings, Indiana Academy of Science. (Proc. Ind. Acad. Sci.) (Amatora)
Proceedings, Koninklijke Nederlandsche Akademie van Wetenschappen. (Proc. Kon. Ned. Akad. v. Wet.) (Burnham)
Proceedings of the National Academy of Sciences. (Proc. nat. Acad. Sci., Wash.) (Berkun)
*Proceedings of the National Conference of Social Work. (Proc. Nat Conf. soc. Wk) (Costin. L.)
Proceedings of the Oklahoma Academy of Science. (Proc. Okla. Acad. Sci.) (Wilson)
Proceedings of the Royal Society of London, Series B. (Proc. roy. Soc., Ser. B) (Maher)
Proceedings of the Scientific Section, Toilet Goods Association. (Proc. Sci. Sect., Toilet Goods Ass.) (Wenzel)
*Proceedings of the Society for Experimental Biology and Medicine, New York. (Proc. Soc. exp. Biol., N. Y.) (Maher)
*Proceedings of the Society for Psychical Research, London. (Proc. Soc. psych. Res., Lond.) (Humphrey)
*Proceedings of the South African Psychological Association. (Proc. S. Afr. psychol. Ass.) (Louttit)
*Psyche, Heidelberg. (Psyche, Heidel.) (Eng)
*Psyché, Paris. (Psyché, Paris)
*Psychiatric Quarterly. (Psychiat. Quart.) (Prager)
*Psychiatric Quarterly Supplement. (Psychiat. Quart. Suppl.) (Prager)
*Psychiatrie, Neurologie and medizinische Psychologie, Leipzig. (Psychiat. Neurol. med. Psychol., Leipzig) (Bever)
*Psychiatry. (Psychiatry) (Bever)
*Psychoanalysis. (Psychoanalysis) (Abt)
*Psychoanalytic Quarterly. (Psychoanal. Quart.) (Solomon)
*Psychoanalytic Review. (Psychoanal. Rev.) (Prager)
*Psychologe. (Psychologe)
*Psychological Bulletin. (Psychol. Bull.) (Perloff)
*Psychological Monographs: General and Applied. (Psychol. Monogr.) (Seidenfeld)
Psychological Newsletter, New York University. (Psychol. Newsltr, NYU) (Leeds)
*Psychological Review. (Psychol. Rev.) (Aiken)
*Psychologische Achtergronden. (Psychol. Achtergr.) (Pruyser)
*Psychologische Beitrage. (Psychol. Beit.)
*Psychologische Hefte. (Psychol. Hefte)
*Psychologische Praxis. (Psychol. Praxis) (Harriman)
*Psychologische Rundschau. (Psychol. Rdsch.) (Stanford)
*Psychometrika. (Psychometrika) (Wilson)
*Psychosomatic Medicine. (Psychosom. Med.) (Pennington)
Public Health Reports, Washington. (Publ. Hlth Rep., Wash.) (Hochbaum)
*Public Opinion Quarterly. (Publ. Opin. Quart.) (Riecken)
*Public Personnel Review. (Publ. Personnel Rev.) (Spector)
Public Welfare in Ohio Today. (Publ. Welf. Ohio) (Frumkin)
Public Welfare Statistics. (Publ. Welf. Statist.) (Frumkin)
Publishers' Weekly. (Publ. Wkly) (Sprow)

Quarterly Journal of Child Behavior. (Quart J. child Behavior) (Templin)
*Quarterly Journal of Economics. (Quart J. Econ.) (Edwards)
Quarterly Journal of Experimental Physiology. (Quart J. exp. Physiol.)
*Quarterly Journal of Experimental Psychology. (Quart J. exp. Psychol.) (Wayner)
Qurterly Journal of Speech. (Quart J. Speech) (Pickett)
*Quarterly Journal of Studies in Alcohol. (Quart J. Stud. Alcohol) (Wilkins)
*Quarterly Review of Biology. (Quart Rev. Biol.)

Rationalist Annual. (Rationalist Annu.) (Choynowski)
Reading Teacher. (Reading Teach.) (Casey)
*Religious Education. (Relig. Educ.) (Morlan)
*Research Quarterly of the American Association for Health, Physical Education and Recreation. (Res. Quart. Amer. Ass. Hlth phys. Educ.) (Seidenfeld)
*Research Review, Durham. (Res. Rev., Durham) (Brickman)
*Review of Educational Research. (Rev. educ. Res.) (Brickman)
Review of Scientific Instruments. (Rev. sci. Instrum.)
Revista de la Asociación de Maestros de Puerto Rico. (Rev. Asoc. Maestros, P. R.) (Sánchez-Hidalgo)
*Revista de Educacion. (Rev. Educ., La Plata) (Roca)
*Revista Interamericana de Bibliografia. (Rev. interamer. Bibl.) (Office)
*Revista de Medicina Legal de Colombia. (Rev. Med. legal Colombia) (Browning)
*Revista Mexicana de Sociologia. (Rev. mex. Sociol.) (Sánchez-Hidalgo)
*Revista de Neuro-Psiquiatria, Lima. (Rev. Neuro-Psiquiat., Lima) (Frumkin)
*Revista de Psicoanálisis, Buenos Aires. (Rev. Psicoanal., B. Aires)
*Revista de Psicologia General y Aplicada. (Rev. Psicol. gen. apl. Madrid) (Strother)
*Revista de Psicologia y Pedagogia Aplicades. (Rev. Psicol. Pedag. apl., Valencia) (Sanchez-Hidalgo)
*Revista da Universidada Católica de Sao Paulo. (Rev. Univ. Católica, Sao Paulo)
*Revue Belge de Psychologie et de Pédagogie. (Rev. belg. Psychol. Pédag.) (Piret)
*Revue Canadienne de Biologie. (Rev. canad. Biol.) (Wayner)
*Revue Française de Psychanalyse. (Rev. franç. Psychanal.). (Rubin-Rabson)
Revue d'Optique (Théorique et Instrumentale). (Rev. Opt. (théor. instrum.) (Burnham)

*Revue de Psychologie Appliquee. (Rev. Psychol. appl.) (Wattenberg)
*Revue de Psychologie des Peuples. (Rev. Psychol. Peuples) (Latham)
Revue des Questions Scientifiques. (Rev. Quest. sci.) (Choynowski)
*Ricerca Scientifica. (Ricerca scient.) (Marchetti)
*Rivista di Psicologia Normale e Patologica. (Riv. Psicol.) (Manoil)
*Rural Sociology. (Rur. Sociol.)

*Salesianum. (Salesianum) (Manoil)
*Samiksā: Journal of the Indian Psycho-Analytical Society. (Samiksā) (Prager)
*Sammlung. (Sammlung) (Stanford)
Savremena Skola, Belgrade. (Savremena Skola, Belgrade) (Bujas)
School and Society. (Sch. & Soc.) (Waldrop)
Schweizerische Medizinische Wochenschrift. (Schweiz. med. Wschr.) (Neufeld)
*Schweizerische Zeitschrift für Psychologie und ihre Anwendungen. (Schweiz. Z. Psychol. Anwend.) (Muenzinger)
*Science. (Science) (Fisher)
Science News. (Sci. News) (Choynowski)
Science and Society. (Sci. & Soc.) (Choynowski)
*Scientia. (Scientia) (De Palma)
Scientific American. (Sci. Amer.) (Louttit)
*Scientific Monthly, New York. (Sci. Mon., N. Y.) (Fisher)
See and hear. (See & Hear) (Sulzer)
Shikha. (Shikha) (Sinha)
Sight-saving Review. (Sight-sav. Rev.) (Raskin)
*Smith College Studies in Social Work. (Smith Coll. Stud. soc. Wk) (Elias)
*Social Casework. (Soc. Casewk) (Costin, L.)
*Social and Economic Studies. (Soc. econ. Stud.) (Louttit)
*Social Forces. (Soc. Forces) (Fisher)
Social Order. (Soc. Order) (Severin)
*Social Problems. (Soc. Probl.)
Social Service Review. (Soc. Serv. Rev.) (Parnicky)
*Social Work Journal. (Soc. Wk J.) (Long)
Socijalna Politika, Belgrade. (Soc. Polit., Belgrade) (Bujas)
*Sociology and Social Research. (Sociol. soc. Res.) (Amatora)
*Sociometry. (Sociometry) (Johnson, V.)
*South African Journal of Science. (S. Afr. J. Sci.) (Tyson)
Southwestern Journal of Anthropology. (Sthwest J. Anthrop.) (Berkun)
Sovietskaya Pedagogica. (Sovetsk. pedag.) (London)
*Speech Monographs. (Speech Monogr.) (Lebo)
*Studies in Higher Education, Purdue University. (Stud. Higher Educ., Purdue Univ.) (Kuenzli)
*Studies in Psychology and Psychiatry from the Catholic University of America. (Stud. Psychol. Psychiat. Cathol. Univ. Amer.) (Amatora)
*Supplementary Educational Monographs. (Suppl. educ. Monogr.) (Amatora)
Synthese. (Synthese) (Choynowski)

*Teachers College Record. (Teach. Coll. Rec.) (Bird)
*Test Service Bulletin. (Test Serv. Bull.) (Carter)
Texas Reports on Biology and Medicine. (Tex. Rpts Biol. Med.) (Goolishian)
*Theoria. (Theoria) (Muenzinger)
Tijdschrift voor Philosophie. (Tijdschr. Phil.) (Piret)
*Tohoku Psychologica Folia. (Tohoku Psychol. Folia) (Rubin-Rabson)
*Training School Bulletin. (Train. Sch. Bull.) (Wilkins)
Transactions of the Illuminating Engineering Society, London. (Trans. Illum. Engng Soc., Lond.) (Burnham)
*Transactions of the Kansas Academy of Science. (Trans. Kans. Acad. Sci.) (Varvel)
*Transactions of the New York Academy of Sciences. (Trans, N. Y. Acad. Sci.) (Swartz)
*Travail Humain. (Travail hum.) (Busband)
*Travail et Méthodes. (Travail et Méthodes) (Mowbray)
Trudy Fiziologicheskikh Laboratorii Imeni I. P. Pavlova. (Trud. fiziol. Lab. Pavlova) (London)
Tubercule. (Tubercule, Lond.) (Brotman)
Turtox News. (Turtox News) (Louttit)

*Understanding the Child. (Understanding the Child) (Coleman)
*USAF Arctic Aeromedical Laboratory Report. (USAF Arctic Aeromed. Lab. Rep.)
*USAF ATC Instructors' Journal. (USAF ATC Instructors' J.) (Tyson)
*USAF Personnel & Training Research Center Research Bulletin. (USAF Pers. Train. Res. Cent. Res. Bull.) (Grether)
*USAF Personnel & Training Research Center Technical Report. (USAF Pers. Train. Res. Cent. Tech. Rep.) (Grether)
*USAF School of Aviation Medicine Project Report. (USAF Sch. Aviat. Med. Proj. Rep.)
*USAF Wright Air Development Center Technical Report. (USAF WADC Tech. Rep.)
U. S. Armed Forces Medical Journal. (U. S. Armed Forces med. J.) (Crompton)
U. S. Army Combat Forces Journal. (U. S. Army Combat Forces J.) (Bartlett)
*USN Bureau of Naval Research Technical Bulletin. (USN Bur. Naval Res. Tech. Bull.)
*USN School of Aviation Medicine Project Report. USN Sch. Aviat. Med. Proj. Rep.)
*USN Special Devices Center Technical Report (USN Spec. Dev. Cent. Tech. Rep.) (Tyson)
*USN Submarine Medical Research Laboratory Report. (USN Submar. med. Res. Lab. Rep.)
Urim. (Urim) (Ormian)

*Vestnik Akademii Nauk SSSR. (Vstn. Akad. Nauk SSSR.) (London)
*Victoria University College Publications in Psychology. (Victoria Univ. Coll. Pubn. Psychol.) (Newman)
Virginia Journal of Science. (Va. J. Sci.) (Lacy)
Vlaamsch Opvoedkundig Tijdschrift. (Vlaam. Opvoedk. Tijdschr.) (Piret)
Vocational Guidance Quarterly. (Vocational Guid. Quart.) (Brown)
Vojno-sanitetski Pregled, Belgrade. (Vojno-sanitetski pregled) (Bujas)
Volta Review. (Volta Rev.) (Womack)
*Voprosy Filosofii. (Vop. fil.) (London)

Word. (Word) (Carroll)
*World Health Organization Technical Report. (World Hlth Org. tech. Rep.) (Franklin)

Yale Journal of Biology and Medicine. (Yale J. Biol. Med.) (Wilson, W. A.)
Yivo Annual of Jewish Social Science. (Yivo Annu. Jewish soc. Sci.) (Ormian)
Yivo Bleter. (Yivo Bleter) (Ormian)

*Zeitschrift für Altersforschung. (Z. Altersforsch.) (Frumkin)
*Zeitschrift für diagnostische Psychologie und Persönlichkeitsforschung. (Z. diagnost. Psychol.) (David)

*Zeitschrift für experimentelle und angewandte Psychologie. (Z. exp. angewand. Psychol.) (Schwarz)
*Zeitschrift für Kinderpsychiatrie. (Z. Kinderpsychiat.) (Rubin-Rabson)
*Zeitschrift für Psychotherapie und medizinische Psychologie. (Z. Psychother. med. Psychol.) (Eng)
Zentralblatt für die gesamte Neurologie und Psychiatrie. (Zbl. ges Neurol. Psychiat.) (Office)
*Zhurnal Nevropatologiia i Psikhiatriia. (Z. Nevropat. Psikhiat.) (London)

ABSTRACTERS

This list includes the names and addresses of abstracters who contributed one or more abstracts to Volume 28.

Abt, L. E., 235 E. 22nd St., New York, N. Y.
Adams, C. R., 307 Burrowes Bldg., State College, Pa.
Adams, S., 242 N. Granada St., Arlington, Va.
Aiken, E. G., 4688 Del Monte Ave., San Diego 7, Calif.
Amatora, S. M., St. Elizabeth Hospital, Lafayette, Ind.
Angelino, H., U. Oklahoma, Norman.
Arbit, J., 619½ S. Wright, Champaign, Ill.
Arbitman, H. D., 8128 Carnegie Ave., Cleveland 3, O.
Ash, P., 574 Mathews St., Gary, Ind.

Baker, L. S., 550 Fifth Ave., New York, N. Y.
Barber, J. E., 516 Vista Dr., Falls Church, Va.
Barlow, J. A., Denison U., Granville, O.
Barschak, E., Miami U., Oxford, O.
Bartlett, N. R., Hobart Coll., Geneva, N. Y.
Bélanger, D., U. Montréal, Que., Can.
Benton, A. L., State U. Iowa, Iowa City.
Berkun, M. M., Yale U. New Haven, Conn.
Besnard, G. G., Human Resources Research Center, Lowry Air Force Base, Colo.
Bever, C. T., U. N. Carolina, Chapel Hill.
Bird, G. E., 157 Cypress St., Providence 6, R. I.
Birren, J. E., National Institute of Mental Health, Bethesda 14, Md.
Bishop, C. K., Denison U., Granville, O.
Brickman, W. W., 1325 Edw. L. Grant Highway, Bronx 52, N. Y.
Brown, M. N., Box 55, Stillwater, Minn.
Browne, C. G., Wayne U., Detroit 1, Mich.
Brožek, J., U. Minnesota, Minneapolis 14.
Bucklew, J., Jr., Lawrence Coll., Appleton, Wis.
Bunzel, J. H., 5727 Elwood St., Pittsburgh 32, Pa.
Burack, M., Illinois Institute of Technology, Chicago 16.
Burnham, R. W., Eastman Kodak Co., Rochester 4, N. Y.
Burton, A., 2251 Boxwood Dr., San Jose 26, Calif.

Caffrey, J., 808 N. Spring St., Los Angeles 12, Calif.
Carroll, J. B., 13 Kirkland St., Cambridge, Mass.
Carter, G. C., U. Illinois, Urbana.
Casey, J. E., Colorado State Coll. of Education, Greeley.
Chapanis, A., Bell Telephone Laboratories, Murray Hill, N. J.
Charters, W. W., Jr., 1007½ S. Wright St., Champaign, Ill.
Child, I. L., Yale U., New Haven, Conn.
Choynowski, M., Slowackiago 66, Krakow, Poland.
Coleman, W., U. Tennessee, Knoxville.
Colgin, R. W., 269 S. Loma Dr., Los Angeles 26, Calif.
Copple, G. E., Vanderbilt U., Nashville, Tenn.
Corsini, R. J., 5306 S. Greenwood, Chicago 15, Ill.
Costin, F., U. Illinois, Urbana.
Costin, L. B., 1516 W. Clark, Champaign, Ill.
Counts, S., 185 N. Wabash Ave., Chicago 1, Ill.
Courtney, D., 2224 Locust St, Philadelphia 3, Pa.
Crider, B., Penn Coll., Cleveland, O.
Curry, E. T., U. Illinois, Urbana.

Dana, R. H., 530 S. Kingsley Dr., Los Angeles 5, Calif.
Daniels, H. W., 1 W. 57th St., New York 19, N. Y.
David, H. P., U. Pittsburgh, Pa.
De Palma, N., 120 Henry St., Cambridge 39, Mass.
de Wit, F., U. Illinois, Urbana.
Dresden, M., 103 Val Ste Croix, Luxembourg.
Dufresne, G., 49 Spring Grove Crescent, Montreal 8, P. Q., Canada.
Dulsky, S. G., 1528 E. 85th Place, Chicago 19, Ill.

Edwards, W., Johns Hopkins U., Baltimore 2, Md.
Elias, G., 2945 Beach Channel Drive, Far Rockaway, Long Island, N. Y.
Ellingson, R. J., Nebraska Psychiatric Unit, 40th & Poppleton Sts, Omaha 5, Nebr.
Ellis, A., Parc Vendome, 333 West 56th St, New York 19, N. Y.
Eng, E. W., Antioch Coll., Yellow Springs, O.

Farnsworth, P. R., Stanford U., Calif.
Fassett, K. K., Wisconsin School for Boys, Waukesha.
Feifel, H., V. A. Mental Hygiene Clinic, 1031 S. Broadway, Los Angeles 15, Calif.
Fiedler, M. F., Clarke School for the Deaf, Northampton, Mass.
Fisher, B. R., Apt. 6A, University Houses, Madison 5, Wis.
Fishman, J. A., 1776 Broadway, New York 19, N. Y.
Forbes, T. W., 2101 Constitution Ave., Washington 25, D. C.
Franklin, J. C., 1621 York Ave., New York 28, N. Y.
Frumkin, R. M., 1674 N. High Street, Columbus 1, O.

Gaier, E. L., Louisiana State U., Baton Rouge 3.
Galt, W. E., The Lifwynn Foundation, S. Morningside Dr., Westport, Conn.
Gardner, E. F., Syracuse U., N. Y.
Gillet, M. M., 302 Berkeley Rd., Merion Station, Pa.
Glick, D. L., 2386 Lileo Rise, Honolulu 14, T. H.
Goldberg, S. C., 118 W. 87th St., New York, N. Y.
Goldberger, L., 27 W. 88th St., New York, N. Y.
Goldstein, J., 66 W. 12th St., New York 11, N. Y.
Grace, H. A., Michigan State Coll., East Lansing
Greer, F. L., Institute for Research in Human Relations, 2224 Locust St., Philadelphia 3, Pa.
Grether, W. F., 425 Cherry Dr., Dayton 5, O.
Groy, S. B., U. Illinois, Urbana.

Haas, M., Mercyhurst Coll., Erie, Pa.
Haggerty, A. D., 191 Joralemon St., Brooklyn 2, N. Y.
Halperin, S. L., P.O. Box 825, Kaneohe, T. H.
Haner, C. F., Grinnell Coll., Ia.
Harriman, A. E., Trinity U., San Antonio, Tex.
Heathers, L. B., 2321 Yale N., Seattle 2, Wash.
Henry, C. E., Institute Living, 200 Retreat Ave., Hartford 2, Conn.
Howard, A. R., V. A. Hospital, Chillicothe, O.
Humphrey, B. M., 269 Harvard St., Cambridge 39, Mass.
Husband, R. W., Florida State U., Tallahassee.
Hutter, S., U. Illinois, Urbana.

Jacobsen, O. I., 2736 N. Shepard Ave., Milwaukee 11, Wis.
Jensen, A. R., Columbia U., New York 27, N. Y.
Johnson, P. E., Boston U., Mass.
Johnson, V., 705 9th St., Manhattan Beach, Calif.

Kahn, T. C., 148 Plaza Circle, Danville, Calif.
Kamman, J. F., U. Illinois, Urbana.
Kantor, J. R., Indiana U., Bloomington.
Kaplan, O. J., San Diego State Coll., Calif.
Katz, E., Hiram Coll., O.
Kavruck, S., Standards Div., U. S. Civil Service Commission, Washington 25, D. C.
Kenshalo, D. R., Florida State U., Tallahassee.
Kostick, M. M., State Teachers Coll., Fitchburg, Mass.
Kramish, A.A., V. A. Hospital, Lincoln, Nebr.
Krathwohl, D. R., 1007 S. Wright, Champaign, Ill.
Kraus, J. M., 105 Pleasant St., Concord, N. H.
Kuenzli, A. E., 374 Beacon St., Cambridge, Mass.
Kuhlen, R. G., Syracuse U., N. Y.

Lassner, R., 2229 Lawrence Ave., Toledo 6, O.
Latham, H. L., 407 N. Hebard St., Knoxville, Ill.
Laurendeau, M., U. Montréal, Que., Can.
Lavoie, G., U. Montréal, Que., Can.
Lawson, E. D., Beloit Coll., Wis.
Laycock, F., 5120 Sierra St., Riverside, Calif.
Lebo, D., Larue D. Carter Memorial Hospital, Indianapolis 7, Ind.
Leeds, D. S., 612 Argyle Rd., Brooklyn 30, N. Y.
Lichtenstein, P. E., Denison U., Granville, O.
Light, B. H., West Virginia U., Morgantown.
Lindbom, T. R., 739 Johnson St., N.E., Minneapolis 13, Minn.
Littman, R. A., U. Oregon, Eugene.
Livingston, D. G., Prudential Insurance Co., Newark 1, N. J.
Locke, N. M., 60 E. 96th St., New York 28, N. Y.
London, I. D., Brooklyn Coll., N. Y.
Long, L., Coll. City New York, Convent Ave. & 139th St., N. Y.
Loring, J. C. G., Harvard U., Cambridge 38, Mass.
Louttit, C. M., Wayne U., Detroit 1, Mich.
Lowenfeld, B., California School for the Blind, 3001 Derby St., Berkeley.
Luria, Z., 2011 Boudreau Dr., Urbana, Ill.

McCord, H. H., P.O. Box 2637, Denver 1, Colo.
Maher, B. A., 4 W. Meade, Swinton, Manchester, Eng.
Mallory, E. B., Wellesley Coll., Mass.
Manoil, A., Park Coll., Parkville, Mo.
Marchetti, P. V., U. Illinois, Urbana.
Marks, M. R., TAGO, Personnel Research Branch, Dept. of the Army, Washington 25, D. C.
Martin, A. L., 118 Bellevue Ave., Melrose 76, Mass.
Marzolf, S. S., Illinois State U., Normal.
Masling, J. M., 2224 Locust St., Philadelphia 3, Pa.
Mathias, R., 310 N. Orchard St., Madison 5, Wis.
Mayfield, C., 611 4th St., Riverton, N. J.
Meister, D. E., U. S. Navy Electronics Lab., San Diego 52, Calif.
Melikian, L. H., c/o Near East Colleges Association, 40 Worth St., New York, N. Y.
Mensh, I. N., Washington U., St. Louis 10, Mo.
Meyer, W. J., 123 College Place, Syracuse, N. Y.
Miller, E. Q., 13131 Sorrento, Detroit 27, Mich.
Mindak, W. A., U. Illinois, Urbana.
Mindlin, D. F., 1820 Clydesdale Pl., N. W., Washington 9, D. C.
Mitchell, M. B., 1726 Kensington Dr., Dayton 6, O.
Moore, H., 80 Richmond St., W., Toronto, Ont., Can.
Moore, H. K., Box 553, College Heights, Ark.
Morlan, G. K., 176 Kingfisher Rd., Levittown, N. Y.
Mowbray, G. H., Johns Hopkins U., Silver Spring, Md.
Muckler, F. A., U. Illinois, Urbana.
Muench, G. A., San Jose Coll., Calif.
Muenzinger, K. F., 963 Seventh St., Boulder, Colo.
Murphy, M., U. Pennsylvania, Pa.
Myklebust, H. R., Northwestern U., Evanston, Ill.

Nagy, M. H., 12493 Cedar Rd., Cleveland Hts., O.
Natsi, E., U. Illinois, Urbana.
Newland, T. E., 1003 W. Nevada St., Urbana, Ill.
Newman, S. E., 705 Hawthorne Dr., Urbana, Ill.
Nicholas, A. L., 200 Retreat Ave., Hartford 2, Conn.
Niyekawa, A. M., 410 W. 110th St., New York 25, N. Y.

Ochs, E., 418 Central Park W., New York 25, N. Y.
O'Kelly, L. I., U. Illinois, Urbana.
Orlans, H., 2224 Locust St., Philadelphia 3, Pa.
Ormian, H., Mitudela 16, Jerusalem, Rehavia, Israel.

Page, C. W., Willmar State Hosp., Minn.
Palmer, M. F., Municipal U., Wichita, Kans.
Parnicky, J. J., Adelphi Coll., Garden City, N. Y.
Pennington, L. A., R.F.D. 1, Georgetown, Ill.
Perl, R. E., 413 Beach 137th St., Belle Harbor, L. I., N. Y.
Perloff, R., 5118 Seventy-Second Place, Hyattsville, Md.
Petz, B., Medveščak 110, Zagreb, Yugoslavia.
Pickett, J. M., Bolling Air Force Base, Washington 25, D. C.
Pinard, A., U. Montréal, Que., Can.
Piret, R., U. Liége, Belgium.
Pokorny, R., 4 Nes Ziona St., Tel-Aviv, Israel.
Pollack, I., Bolling Air Force Base, Washington 25, D. C.
Potter, A., U. Illinois, Urbana.
Prager, D., 3000 Connecticut Ave., N.W., Washington, D. C.
Pratt, J. G., Duke U., Durham, N. C.
Pronko, N. H., U. Wichita, Kans.
Pruyser, P. W., 386 Old Connecticut Path, Saxonville, Mass.

Raskin, A., 1102 W. Springfield, Urbana, Ill.
Raskin, N. J., American Foundation for the Blind, Inc., 15 W. 16th St., New York 11, N. Y.
Ratliff, F., Rockefeller Institute for Medical Research, 66th St. & York Ave., New York 21, N. Y.
Ratoosh, P., Ohio State U., Columbus.
Raylesberg, D. D., B'nai B'rith Youth Organization, 225 W. 57th St., New York 19, N. Y.
Renshaw, S., Ohio State U., Columbus.
Reynolds, G. F., 1220 Grandview Ave., Boulder, Colo.
Riecken, H. W., U. Minnesota, Minneapolis.
Riggs, L. A., 811 Shadowlawn Ave., Greencastle, Ind.
Ross, A. O., Brooke Army Hosp., Fort Sam Houston, Tex.
Ross, S., U. Maryland, College Park.
Rubin-Rabson, G., 1001 E. Rudisill Blvd., Fort Wayne, Ind.
Rubinstein, E. A., 2701 Weisman Rd., Silver Spring, Md.
Ruja, H., San Diego State Coll,, Calif.

Salzinger, K., Columbia U., New York 27, N. Y.
Sánchez-Hidalgo, E., U. Puerto Rico, Río Piedras.
Schaef, R. A., Columbus State Hospital, O.
Schmehl, C., 119 Spring St., Reading, Pa.
Schoonover, S. M., 360 N. Thomas St., Ottawa, O.
Schoper, C. A., 415 Woodruff Rd., Joliet, Ill.
Schwarz, W., 1341 E. 36th St., Tulsa, Okla.
Schwerin, E., 2000 Shawnne Blvd., Lima, O.
Schwesinger, G. C., California Youth Authority, Box 170, Ventura.
Scofield, C. F., 3040 Idaho Ave., N.W., Washington 16, D. C.

Seidenfeld, M. A., National Foundation for Infantile Paralysis, 120 Broadway, New York 5, N. Y.
Sells, S. B., 306 Abiso, San Antonio 9, Texas
Severin, F. T., St. Louis U., Mo.
Shaad, D., 2322 W. 51st St., Kansas City 3, Kans.
Shaklee, A. B., U. Denver, Colo.
Shames, G. H., U. Pittsburgh, Pa.
Simmel, M. L., U. Illinois, Chicago
Sinha, D., Patna U., India.
Sless, B., 225 Upland Rd., Merion Station, Pa.
Snyder, F. W., U. Wichita, Kans.
Solarz, A. K., U. Illinois, Urbana.
Solomon, L. N., 3224 Trumbull, San Diego 6, Calif.
Spector, A. J., Maxwell Air Force Base, Ala.
Speer, G. S., 3329 S. Federal, Chicago 16, Ill.
Sprow, A. J., PSYCHOLOGICAL ABSTRACTS, Wayne U., Detroit 1, Mich.
Stanford, M. J., Soroma State Hosp. Eldridge, Calif.
Stanley, J. C., U. Wisconsin, Madison.
Staudt, V. M., 3206 Fairfield Ave., New York 63, N. Y.
Steiner, L. R., 158 W. 81st st., New York 25, N. Y.
Steisel, I. M., U. Washington, Seattle.
Stern, J. A., Washington U., St. Louis, Mo.
Stoll, M. R., 1700 Tippah Ave., Charlotte, N. C.
Stone, C. P., Stanford U., Calif.
Stone, L. J., Vassar Coll., Poughkeepsie, N. Y.
Strassburger, R. C., 135 W. 225th St., New York 63, N. Y.
Stromberg, E. L., B. F. Goodrich Co., Akron, O.
Strupp, H. H., 201 Audrey Lane, S.E, Washington 21, D. C.
Sumner, F. C., deceased.
Swartz, P., Hobart Coll., Geneva, N. Y.

Templin, M. C., U. Minnesota, Minneapolis.
Thompson, A. S., Columbia U., New York 27, N. Y.
Thompson, G. G., Syracuse U., N. Y.
Thune, L. E., Vanderbilt U., Nashville, Tenn.
Tyson, R., Hunter Coll., New York 21, N. Y.

Van Cott, H. P., U. S. Naval Submarine Base, New London, Conn.
Vanderplas, J. M., Wright-Patterson Air Force Base, O.
Varvel, W. A., Texas A. & M., College Station.

Wack, D. J., St. Benedict's Coll., Atchison, Kans.
Wattenberg, W. W., Wayne U., Detroit 1, Mich.
Wauck, L. A., Marquette U., Milwaukee 3, Wis.
Wayner, M. J., Jr., Syracuse U., N. Y.
Weiss, B., U. Rochester, N. Y.
Westheimer, G., U. Houston, Texas.
Wilkins, W. L., 3680 Lindell Blvd., St. Louis 8, Mo.
Wilson, M. O., Oklahoma U., Norman.
Wilson, W. A., Jr., 200 Retreat Ave., Hartford 2, Conn.
Winder, C. L., Stanford U., Calif.
Wunderlich, H., U. Florida, Gainesville.

Yager, J. L., V. A. Hospital, 4101 Woolworth Ave., Omaha 5, Neb.

Zalkind, S. S., Brooklyn Coll., N. Y.
Zubek, J. P., U. Manitoba, Winnipeg, Canada.
Zuckerman, J. V., 3801 Connecticut Ave., N.W., Washington 8, D. C.

AUTHOR INDEX[1]

Aarons, Z. A., 4550
Abdin, M. Z., 8874(b)
Abe, Z., 3744, 3801
Abel, T. M., 2697, 3146, 6403
Abelman, L., 362
Abelson, R. P., 1852, 3553
Aberle, S. D., 2151
Aborn, M., 2202
Abraham, H. C., 4687
Abraham, K., 1915
Abrahams, J., 6331
Abrams, R. D., 8910
Abramson, H. A., 8494
Achtnich, M., 4326
Ackerknecht, E. H., 5271
Ackerman, G. F., 6014(a)
Ackerman, N. W., 1095, 3652, 8553
Ackoff, R. L., 5204, 5844
Adams, C. R., 5484
Adams, D. K., 4031
Adams, F. H., 1316
Adams, J. A., 3966, 3981, 5590, 5639, 7100, 7177, 8513
Adams, J. L., 783
Adams, Joe, 3494, 3716
Adams, J. ., 8479
Adams, L., 5472
Adams, M. M., 3317
Adams, R. N., 2469
Adams, S., 7951
Adams, Stuart, 4111, 5084
Adamson, J. F., 310
Adaval, S. B., 8096
Adcock, C. J., 4032, 9034
Adda, G., 3337
Addis, R. S., 876
Adelson, E., 6069
Adelson, J., 5901
Adelson, M., 5179
Ades, H. W., 516, 5460, 6913
Adey, W. R., 8368
Adinarayan, S. P., 2470
Adkins, D., 4979
Adland, M. L., 4406
Adler, A., 157
Adler, H. E., 8231
Adler, J., 4704
Adler, L. M., 6332
Adler, N., 5100(t)
Adrian, E. D., 3745
Aeden, S., 2307, 2961
Agerberg, J., 8357
Agnew, J. W., Jr., 2752
Agoston, T., 4636
Ahlenstiel, H., 6949
Ahmann, J. S., 6824
Ainsworth, M. D., 7533
Ainsworth, P., 8700
Airapet'iants, E. S., 1961, 5332, 8358
Aird, R. B., 6417
Akavya, U., 3387
Akert, K., 266, 3705
Alajouanine, T., 3717
Albert, R. S., 4112
Albino, R. C., 2262, 8575
Albrecht, R., 656, 5760, 5770, 7252
Alexander, A. M., 3299
Alexander, C., 5067
Alexander, F. S., 2698
Alexander, Franz, 979, 1353, 3699, 3495, 3626
Alexander, H. D., 5675
Alexander, I. E., 377
Alexander, L. T., 3917(a)
Alexander, Leo, 2700, 8982
Alexander, R., 3243
Alexander, W. A., Jr., 3449(t)
Allahabad, U. P. Bureau of Psychology, 3287, 7504, 8067
Allais, M., 8664
Allee, W. C., 3845
Allen, G. W., 2179
Allen, E. B., 6223
Allen, H. E., 101
Allen, J. M., Jr., 2568
Allen, L. A., 1592, 4993
Allen, M. J., 3746, 9103
Allen, R. M., 2607, 2608, 2609, 8709
Allerhand, M. E., 4407
Alliani, E., 1241
Allies, J., 1203, 4113
Allison, R. B., Jr., 3554
Allman, J., 8656
Allman, R. W., 1582
Allport, G. W., 24, 676, 7324
Alluisi, E. A., 2047
Alm, I., 2308, 5708
Alman, J. E., 6769
Almansi, R. J., 784, 7411
Almborg, I., 8876
Alon-Bakaliar, S., 2789
Aloni, A., 2610
Alper, R. G., 516
Alpern, M., 2072, 2073, 3747, 5412, 6950, 6951
Alpert, A., 7706
Alston, J. C., 4114
Alt, H., 6548
Altman, A., 2117
Altman, J. W., 5001
Altman, S. P. G., 4809
Altmann, H., 1380
Altmann, M., 5786(b)
Altschule, M. D., 3067, 4637
Altus, G. T., 7207
Altus, W. D., 6011, 7777
Alves Garcia, J., 1302, 1434, 6418
Alzheimer, O., 7890
Amado, G., 924
Amador, L., 1405
Amassian, V. E., 6893, 8369
Amatora, M., 1583, 8097, 8098
Ambler, R. K., 3358, 4994
Ambrose, G., 2762, 2777
American Board of Examiners in Professional Psychology, Inc., 5245, 6856
American Educational Research Association. Committee on Criteria of Teacher Effectiveness, 3300
American Personnel and Guidance Association. Committee on Professional Practices, 2800
American Psychological Association, 1910, 1944, 1945, 5246, 5247, 5248
American Psychological Association. Ad Hoc Committee on the Central Office, 5249
American Psychological Association. Ad Hoc Committee on Relations between Psychology and other Professions, 5296
American Psychological Association. Board of Directors, 6836
American Psychological Association. Committee on a Directory of Psychological Service Centers, 5250
American Psychological Association. Committee on Public Relations, 5251
American Psychological Association. Division of Clinical and Abnormal Psychology, Committee on Private Practice, 5297
American Psychological Association. Division of Clinical and Abnormal Psychology, Committee on Publication Outlets, 5237
American Psychological Association. Division of School Psychologists, Subcommittee on Needed Research on Gifted Children, 7253
American Psychological Association. Education and Training Board, 5298
American Psychological Association. Education and Training Board, Committee on Subdoctoral Education, 6857
American Psychological Association. Executive Secretary, 5252
American Psychological Association. Office of the Executive Secretary, 5253
American Psychological Association. Policy and Planning Board, 5254
American Psychological Association. Representatives to the AAAS Council, 5255
American Psychological Association, American Educational Research Association, and National Council on Measurements Used in Education. Joint Committee, 8692
American Psychological Foundation, 5256
American Society of Adlerian Psychology, Inc., 158
American Society of Group Psychotherapy and Psychodrama, 3619
American Speech and Hearing Association, 3620
Amerman, H. E., 736
Ames, A., Jr., 5413
Ames, D. W., 7389(a)
Ames, L. B., 6012
Ammons, C. H., 2152, 5485, 5709, 6443
Ammons, R. B., 464, 2152, 2203, 5485, 5709, 8406
Amsel, A., 7129
Amster, W. W., 8039
Amthauer, R., 2260, 5197
Amyes, E. W., 4741
Anand, B. K., 260, 1973
Anastasi, A., 109, 544, 2471, 7390
Anderhalter, O. F., 6770
Andersen, I. N., 6239
Andersen, P., 5360
Anderson, C. A., 1447
Anderson, D. M., 7492
Anderson, D. V., 1686(t)
Anderson, E. M., 4910
Anderson, G. W., 4731
Anderson, H. J., 7537
Anderson, J., 3496
Anderson, J. O., 3846(a)
Anderson, K. E., 4930
Anderson, L. W., 3301
Anderson, R. L., 6771, 6772
Anderson, R. G., 4495
Anderson, S. B., 6583
Anderson, T. B., 7047(a)
Anderson, T. W., 1853(a)
Anderson, V. A., 2950
Anderson, W. A., 4071
Andreani, F., 1359
Andreani Dentice, O., 1359
Andreas, B. G., 8461, 8462
Andrée, G., 8436
Andrews, E. D., 5902
Andrews, K. R., 3318
Andrews, T. G., 6858
Angel, J. L., 3098
Angell, D., 5639
Angell, G. W., 4843
Angell, R. C., 3542, 4230
Angelucci, R. J., 7761
Angoff, W. H., 1854
Angrist, A. W., 5940
Angyal, A., 6377
Anikeeff, A. M., 670
Annau, D., 6333
Anokhin, P. K., 1806
[Anon.], 154, 4508, 5273, 5299, 6826, 8326
Ansbacher, H. L., 25, 1123(a), 5141, 5976, 6666(b)
Anslinger, H. J., 6234
Anstey, E., 6627
Anthony, S., 6628
Apell, R. J., 3748
Apostolakos, P. C., 7554
Appel, K. E., 980, 8070
Appelmans, M., 8407(b), 8656(b)
Applegate, M. S., 2962
Appleman, J. A., 5300
Applezweig, M. H., 4327
Aprison, M. H., 6894
Arai, S., 602
Arakawa, Y., 3749, 5414
Arber, A., 6751
Arbitman, H. D., 6205
Arbuckle, D. S., 1533, 4283, 6563
Archer, E. J., 2304, 8513
Archer, J. W., 6967
Ardoino, J., 7505
Arenberg, D., 2033
Argyle, M., 1593
Argyris, C., 3319
Arian, E., 194, 195
Arieff, A. J., 1974(a), 3710, 5362
Arinchin, N. I., 8514
Arlow, J. A., 8284, 8285
Arluck, E. W., 6013
Armington, J. C., 2017, 2048, 7042, 8442
Armitage, S. G., 1311
Armstrong, C. P., 1301
Armstrong, D., 3718
Armstrong, E. A., 3899
Armstrong, E. D., 255
Armstrong, H. C., 7952(a)
Armstrong, M. A. S., 8710
Armstrong, R. G., 2611
Arn, E. H. R., 4926(a)
Arnheim, R., 4053, 4368, 5274
Arnold, D. G., 1687(t)
Arnold, M. B., 8273
Arnold, N., 26
Arnold, W., 2263, 5710(b)
Arnoult, M. D., 3918
Arnulf, A., 5415
Aronfreed, J. M., 3719
Aronson, M. L., 2981, 2982
Arsenian, S., 168
Arther, R. O., 6314
Arthur, J. K., 8611
Artley, A. S., 1459
Asch, S. S., 7843
Aserinsky, E., 324(a), 3847
Ash, P., 4810, 6480, 7953, 7954
Ashall, C., 5404
Ashburn, R. R., 6584
Ashby, W. R., 981, 1799
Asher, E. J., 1
Ashley, B. M., 49
Ashton, D., 3648
Aspiotis, A. A., 5711, 5712, 5713, 5714, 5715, 5716, 6168, 6391
Assenmacher, I., 6957
Association of National Advertisers, 3370
Åstrand, P.-O., 2153
Ataev, M. M., 8359
Atelsek, F. J., 5894
Atherton, A. L., 8056
Atkin, I., 2983
Atkinson, C. J., 2535, 5475, 8449, 8452
Atkinson, J. W., 1519, 5581, 7108
Attneave, F., 5570, 6026
Atwater, S. K., 7130
Auble, D., 1460, 2196, 3194, 3555, 4845, 8534
Auersperg, A., 6225
Auld, F., Jr., 2701, 6087, 7564
Aulhorn, E., 8408(b), 8967
Ault, G., 3871
Aumack, F. L., 5101(t)
Aurbach, H. A., 785
Austin, Garry R., 6481
Austin, George A., 3919
Austin, L. N., 2589
Auston, J. T., 1261, 4254
Austrin, H. R., 3920(a)
Ausubel, D. P., 6226, 6461, 8576
Autrum, H., 6952
Avedon, H., 7441
Axelrod, H. C., 8577(a)
Axline, V. M., 8035
Axtell, S. B., 5102(t)
Ayad, J.-M., 4213
Ayer, A. J., 3497
Ayers, A. W., 6858
Ayers, J. D., 3556
Azelrad, S., 7778
Azima, H., 6345

Babcock, C. G., 6002
Baber, R. E., 5903
Bach, G. R., 4408(a), 6071
Bachem, A., 465(a), 2049
Bachler, K., 786, 787
Bachrach, A. J., 4284, 6227
Backus, O., 6420
Bacon, C. L., 8911
Bacon, S. D., 3328, 6546

[1]The letter (a) following entry numbers indicates citation of abstracts which are primary publications; these are usually of theses or of papers read at professional meetings. The letter (b) indicates entries limited to bibliographic information. The letter (t) indicates unpublished theses.

Badawi, N. Y., 737, 1124
Baehr, M. E., 3371
Baer Bahia, A., 572
Bagby, P. H., 5787
Bagchi, A., 7109
Bagshaw, M., 5374, 6805
Bahm, A. J., 1786
Bahrick, H. P., 419, 466, 2175, 3849, 3921(a)
Baier, D. E., 112
Baillard, V., 4873
Bailey, P., 257, 1405
Bain, R., 5788, 7254
Bainbridge, G., 982
Bair, J. T., 1614, 3388, 3405, 3406, 4995, 6108, 8724
Baird, D., 5703
Bak, R. C., 1204, 5275
Bakan, D., 3490, 5591, 6773, 6838
Bakan, P., 5058
Baker, A. A., 4409
Baker, C. H., 5301
Baker, F. P., 4317
Baker, Harry J., 3246
Baker, Howard D., 3750
Baker, L. M., 84
Baker, P. C., 6600(a)
Baker, R. A., 5486
Baker, R. W., 4468, 7802(a)
Baker, W. B., 5742(b)
Bakwin, H., 6151, 7707, 7779, 7803
Bakwin, R. M., 6151, 7255, 7707
Balaban, A. B., 3139
Balboni, C., 4200
Balduzzi, E., 1205
Baldwin, A. L., 788, 1822
Bales, R. F., 692, 4118, 5846
Baley, S., 8578
Balfour, W. C., 5018
Balinsky, B., 6013
Balint, M., 8340, 8740
Balistrieri, J. J., 3450(t)
Ballan, J., 3000
Ballard, E. G., 27, 4054
Ballin, N. M., 8377
Baltzell, E. D., 5904
Bamford, C., 2778
Bamman, H. A., 9020
Banay, R. S., 8877
Bandler, B., 7891(a), 8741
Bandura, A., 2188, 8711
Bang, R., 2683
Bangs, T. E., 6444
Banker, B. Q., 7899
Banks, C., 6462
Bankston, H. S., 8057
Bannister, A. E., 6095
Barahal, H. S., 2884
Baranger, W., 573, 3076
Barbara Ann, M., 1673
Barbiezet, J., 3717
Barch, A. M., 3922, 5592, 7131
Barcikowski, W., 8286
Barclay, W. D., 3567
Bard, M., 7855(a)
Barger, D. M., 6953
Bar-Hillel, Y., 4255, 4256, 5941
Barker, A. J., 2885
Barker, B. W., 1174
Barker, G. H., 6286
Barker, R. G., 3147
Barkley, K. L., 6527
Barnes, F. F., 738
Barnes, F. P., 7955
Barnes, M. J., 2309
Barnes, R. H., 1136, 3031, 6900
Barnett, G. J., 4406
Barnett, J., 6334
Barnett, M. M., 7554
Barnett, S. A., 5384, 5488(a)
Barnhoorn, J. A. J., 3065
Barnlund, D., 7325
Baron, S. H., 6987
Barr, A. S., 6463
Barratt, E. S., 2239, 3450(t)
Barrell, R. P., 4328
Barrera, E., 8383
Barrett, D. M., 1461
Barrett, T. H., Jr. 3451(t)
Barrett, W. G., 5687
Barris, R. W., 3110
Barron, A. J., 6330
Barron, E., 5805
Barron, F., 2264, 2265, 4410, 6072
Barron, M. L., 5761, 8962
Barry, H., Jr., 6445
Barry, J. R., 1628, 1629, 3338
Barsotti, H. F., 9049
Bartelme, P. F., 2576
Bartemeier, L., 4214
Barthel, E., 983
Barthée, E., 7023
Barthol, R. P., 1622
Bartky, J. A., 3302
Bartleme, K., 4618
Bartlet, J. E. A., 1406
Bartlett, F., 5487
Bartlett, N. R., 8463
Bartlett, R. G., 1959
Bartley, S. H., 325, 2050, 3720 3751, 5416, 7003
Barton, W. E., 984, 1303(a)
Bartov, H., 3185
Baruk, H., 4638, 6859
Bash, K. W., 985, 7506
Basilius, H., 5942
Bass, B. M., 671, 717, 925, 1594, 1595
Bastock, M., 3850
Batchelor, I. R. C., 4551
Bätcher, U., 4329
Bates, J. A. V., 6896(a), 6897
Bateson, G., 1799
Batman, R. H., 3453(t)
Battersby, W. S., 1407, 6954, 6956, 8930
Batterton, R. L., 1688(t)
Battin, T. C., 7442(a)
Bauder, W. W., 4252, 7431
Baudouin, C., 3653
Bauer, B., 4314
Bauer, F. C., 6228
Bauer, F. J., 3923
Bauer, J., 4411
Bauer, R. A., 869, 7443
Bauer, W. W., 7280
Baugh, V. W., 6335
Baughman, E. E., 942, 8713
Baum, C. F., 9050(a)
Baumeyer, F., 2779
Baumgardt, E., 326, 2018, 6955 8409
Baumgarten, E., 5789
Baumgarten, F., 1596, 3851, 3852, 6014, 6704, 6827
Baumgarten-Tramer, F., 1597, 5660, 7256
Baumgartner, L., 4008
Baxt, R., 7658
Baxter, B., 8266
Bay, E., 4732
Bayard, J., 3017
Bayley, N., 7257
Bayliff, R. E., 8665(a)
Bayne, H., 5238, 6828
Bayroff, A. G., 6622
Bazin, G., 574
Bazzi, T., 6073
Beach, F. A., 2154(a), 3873
Beaglehole, E., 3627
Beall, P. R., 3372
Beals, R. L., 2387, 4215
Beams, H. W., 256
Bean, K. L., 5205
Beard, R. J., 1175
Beardslee, D. C., 8350
Beasley, C., 4216
Beatman, F. L., 3436
Beattie, R. J., 8034, 8448
Bechtoldt, H. P., 2223, 2224, 3534, 5615, 5616, 8140
Beck, A. T., 6336
Beck, B. M., 6287
Beck, H. S., 2640, 2641
Beck, L. H., 5180
Beck, M., 28
Beck, S. J., 926, 1304, 2984, 5661, 6036
Becka, D. R., 7909
Becker, H. S., 4552, 8099
Beckham, A. S., 4911
Beckland, O., 2541
Beckman, E. L., 8228
Bedell, R., 7956
Bedoian, V. H., 6528, 8015
Beech, D. G., 3557
Beecher, H. K., 3721
Beecher, M., 29, 30
Beecher, W., 29, 30, 1462
Beegle, J. A., 1247
Beeler, S., 5717
Beem, H. P., 1600, 5050
Beers, C. W., 6844
Beers, H. W., 789
Behan, R. A., 3499, 3519
Behr, Z., 1125
Behrend, H., 1598
Behymer, A. F., 2985
Beidler, L. M., 6927
Beier, E. G., 2612, 2702, 5385, 6529
Beigel, H. G., 2590, 4055, 5977
Beighley, K. C., 4257, 5943
Beilin, H., 986, 1109
Beittel, K. R., 9000(a)
Beizman, C., 4733(a), 8712
Bejke, R., 8830
Békésy, G. v., 2130, 2131
Belbin, R. M., 8762
Belden, A. W., 8713
Beldo, L. A., 8643(a)
Belinson, L., 1201, 3008
Belknap, I., 5922
Bell, A., 2613, 2614
Bell, C. R., 3305
Bell, G. B., 7326
Bell, J. E., 2678, 6015
Bell, M., 6530
Bell, R. Q., 8579
Bellak, L., 927, 6016
Bellak, S. S., 927
Belleville, R. E., 4573
Belloni, G. B., 2886
Bellows, R. M., 1644
Bellwald, K. J., 4305
Beloff, H., 7514
Belous, A. A., 8515
Bemelmans, F., 7649
Benassy, M., 3853
Benassy-Chauffard, C., 1843 7650
Benchimol, R., 8257
Bender, I. E., 5571, 6017
Bender, L., 6337, 6338(a), 6339
Bender, M. B., 299, 1407, 2024, 2051, 2103, 2363, 5328, 6956, 8930
Bendig, A. W., 928, 3654, 3655, 4927, 4958, 5318, 5944, 6601, 7444, 8714(a)
Bendix, R., 4115
Bendrat, M., 1206
Bene, E., 2472
Benedek, T., 547, 6074, 6075
Benedetti, G., 1207, 4555, 4556
Benedict, R. B., 7856
Benjamin, A. C., 3535
Benne, K. D., 7327
Bennett, A. E., 1225, 4509, 6076, 7804
Bennett, E. B., 4116(a)
Bennett, E. M., 672, 2457, 8323
Bennett, G. K., 1601, 1844, 3339
Bennett, I. F., 7805
Bennett, R. E., 6375
Bennett, S., 6839
Béno, N., 1096
Benoit, E. P., 2851, 4531
Benoit, J., 6957
Benoit-Levi, R., 1843
Bensberg, G. J., Jr., 4530, 7700
Benson, D. J., 5412
Benson, R. W., 2132
Bentley, C. S., Jr., 548
Bentley, H. J., 1401
Benton, A. L., 2188
Benveniste, E., 5945
Bérard, P. V., 7882
Berdie, R. F., 1505, 4285, 4912, 7471, 9068, 8702
Berdy, E. M., 1689(t)
Berelson, B., 1911, 2388
Berenberg, A. N., 2945
Berens, C., 2052
Beres, D., 2389
Berg, I. A., 2615, 2887, 4330, 4497, 6752, 8702
Berg, S., 8742, 8751
Berger, A., 7685
Berger, C., 3752, 3753, 5059, 6958(b)
Berger, D., 6018
Berger, M., 1463
Berger, P., 327
Bergeron, M., 1279, 2591
Bergeron, W. L., 4928(a)
Bergin, W. E., 4996
Bergius R., 5898, 7686
Bergler, E., 575, 1126, 1354, 2289, 2888, 3437, 4056, 5489, 5790, 7314, 7708
Bergman, M., 1176
Bergman, P., 987
Bergman, P. S., 2103, 5328, 6742, 8931
Bergman, W., 6312
Berkeley, A., 3000
Berkeley, M. H., 3558
Berkeley, R. P., 1208
Berkman, T. D., 2555, 7472
Berko, F. G., 4734
Berko, M. J., 3111, 4734, 7892
Berkowitz, B., 657, 7570, 7571
Berkowitz, L., 2390, 8196
Berkowitz, M., 2616
Berkshire, J. R., 3536
Berle, B. B., 1382
Berlin, I. N., 6239
Berlinsky, S., 1273
Berlioz, L., 8229
Berlow, N., 4331(a)
Berman, A., 5276
Berman, L., 1209, 1946, 5978
Berman, R. E., 9021(a)
Berman, S., 4412
Berna, J., 5718
Bernard, V. W., 988, 2780
Bernberg, R. E., 5688, 6648
Berne, E., 2536, 7565
Berner, D. E., 5417
Berner, G. E., 5417
Bernfeld, S., 5277
Bernhardt, K. S., 2, 7258
Bernhaut, M., 1975
Bernreuter, R. G., 4024
Bernstein, A. A., 4117(a)
Bernstein, B., 1690(t)
Bernstein, D. R., 4072
Bernstein, N. R., 6340
Bernstein, R., 2963
Bernyer, G., 9035
Berra, R. L., 5030
Berrol, E., 836
Berry, B., 4139
Berry, R. B., 5766
Berry, R. G., 6427
Bersh, P. J., 3924
Bertram, F. M., 4998
Bertrán Balieti, J., 929
Bertrand, R., 4376
Besco, G. S., 4811(a)
Beslais, A., 3656
Best, W., 3754
Bestin, G., 4073
Bettelheim, B., 739, 7391
Betts, E. A., 4812, 6462
Betts, G. L., 8305
Bevan, W., 442, 2053, 3854
Bevan, W., Jr., 360, 2040, 7237
Bevans, L. E., 3235
Bez, K., 2703
Bhattacharyya, C. C., 6032(b)
Bhattacharyya, K. N., 1857
Bibring, G. L., 5719
Bice, H. V., 3247, 8932
Bickford, J. A. R., 1408
Bickford, R. G., 7074(b)
Bicknell, E. A., 3931, 3932
Biddulph, L. G., 8580
Bidney, D., 5791
Bieber, I., 3068, 4553
Biegeleisen-Zelazowski, B., 9104
Biehler, R. F., 8581(a)
Bieri, J., 673
Bierman, E. O., 2054
Bierman, H. O., 1674
Biersdorf, K. R., 6019
Biestek, F. P., 2592, 7566
Bigbee, L., 5805
Bigelow, N., 2986
Bigge, N. L., 7937
Biggers, J. D., 6777
Bijou, S. W., 4367, 8702
Bilger, R. C., 5970
Bills, M. A., 196, 1664
Bills, N., 1691(t)
Bills, R. E., 930, 2617, 2618, 8705
Bilodeau, E. A., 467, 2205, 2221, 3537, 3855, 3925, 3926, 3927, 3960, 7132, 8464
Bilodeau, I. M., 513, 7133, 8464
Bilovsky, D., 1110
Bilz, R., 6077(b)
Bindra, D., 443, 1211, 6734
Binet, F. E., 3559
Bingel, A. G. A., 3818
Binger, C., 7659
Bingham, J., 2636
Bingham, W. E., Jr., 6370
Bingham, W. V., 197, 1615
Bini, L., 1305
Binks, V., 8005
Binswanger, L., 577
Biran, S., 7709
Birch, H. G., 2806, 8280
Birch, J. W., 878
Bird, B., 7567
Bird, C., 740, 2458, 7392
Bird, D. E., 7957
Bird, H. W., 2745
Birjukov, D. A., 5121, 5278, 8360
Birnbaum, Z. W., 110
Bischof, L. J., 4948
Bishop, G. H., 85, 1976, 2031, 6898
Bishop, P. O., 3701

Bishop, P. M. F., 5329
Bisi, J. C., 3076
Bitterman, M. E., 529, 532, 2210, 2266, 3424, 3928, 3929, 4005, 5388, 5593, 5594, 5595, 7134
Bittle, W. E., 4186
Bixby, J. T., 9076(b)
Bize, P. R., 4510
Bjerstedt, A., 4164
Björk, A., 1960
Black, E. L., 8068
Black, J. D., 7636, 7807(a)
Black, J. W., 3856, 8450, 8451, 8452, 9105
Black, P., 2889
Blacketer-Simmonds, D. A., 6206
Blackhurst, J. H., 8274
Blackwell, D., 1855
Blackwell, H. R., 2055, 3755, 8297
Blackwell, T. B., 3454(t)
Blaha, R., 499
Blain, D., 2807, 7473
Blair, G. M., 7938
Blair, H. W., 2805, 4639(a), 6341(a)
Blake, G. D., 8197
Blake, J. A., 4033
Blake, R. R., 4413, 5838
Blanc, S. S., 5206
Blanchard, B. E., 3303
Blanchet, —, 3657
Blank, A. A., 2096, 3756
Blank, H. R., 1435, 8631
Blau, A., 7660
Blau, P. M., 4874
Blazer, A., 6177
Blechner, J. E., 4332
Blegen, S. D., 603
Blet, G., 3536
Bleuler, M., 3628
Blickenstorfer, E., 1210, 1409, 4705
Bliss, C. I., 1856
Bliss, M., 6207, 7685
Blitsten, D. R., 3629
Blitzsten, N. L., 1947
Blizzard, S. W., 4230, 8644
Bloch, D. A., 2964
Bloch, V., 232
Block, S. L., 2890
Block, W. E., 8933(a)
Blodgett, H. E., 3146, 7259(a)
Blood, R. O., Jr., 4074
Bloom, G. E., 6239
Bloom, S. W., 9019
Bloomer, H., 3686
Bloomer, R. H., 9069
Bloomingdale, E. G. C., 1692(t)
Blos, P., 2781, 5720
Blüher, H., 7568
Blum, E., 989
Blum, G. S., 549, 2652, 6928
Blum, L. P., 1534, 3268, 6585
Blum, L. H., 1845
Blum, R. H., 8371
Blumenfeld, W., 3757
Blumenthal, I. J., 7893
Blumer, H., 7326
Blundun, J., 2240
Blustein, H., 3710
Boas, C. V. E., 8693(a)
Boatman, M. J., 6239
Bobbitt, J. M., 990
Bobon, J., 4640
Boeri, R., 7859
Boerman, A. J., 5085
Bogardus, E. S., 674
Bogert, B. P., 3857
Bohm, E., 4554
Bohr, V. C., 1959
Bohren, B. B., 4747
Boisen, A. T., 7569
Boland, J. L., Jr., 4604, 7763(a)
Boldt, R. F., 5490
Bolin, B. J., 4735
Bolt, R. H., 3389
Bonaparte, M., 5572, 7260
Bonaventura, E. Y., 1807
Bond, E. D., 7806
Bond, G. L., 1471
Bond, N. B., 6419
Bond, N. A., Jr., 4358
Bonnaire, J., 8141
Bonnant, M., 1324
Bonnardel, R., 1582, 5207, 6483, 6629, 8715, 9077
Bonnell, J. S., 2704
Bonner, F., 1212
Bonner, H., 2391
Bonnet, D., 2591, 2593
Bonney, M. E., 2310, 8662
Bóök, J. A., 1177, 8367
Boomer, D. S., 9044
Bordin, E. S., 4875
Borg, W. R., 1679, 4992
Borgatta, E. F., 4118, 5792(b), 5845(b), 5946, 6003, 6078
Borghi, G. P., 1359
Boring, E. G., 169, 198, 1808, 1916, 6839
Boring, R. O., 315, 2057
Bornemann, E., 1645
Bornstein, B., 7710, 7711
Borreca, F., 4813
Borsteimann, L. J., 931
Bortner, R., 1693(t)
Boschi, G., 1410
Bose, B., 1917
Bose, G., 444, 445, 2891
Bose, N. K., 2513
Bose, R. C., 1857
Bose, S. K., 6040, 9198
Bose, S., 7834
Boshes, B., 3710
Bosinelli, M., 1307, 1411
Boskoff, A., 2392
Bosomworth, G., 8069
Boss, M., 31, 2241, 2892, 4555, 4556, 5142
Bossard, J. H. S., 5721, 5722
Bosselman, B. C., 4511
Böszörményi, G., 4333
Botwinick, J., 2619, 8316(a)
Bouilly, N., 3658
Boulger, J. R., 3340(a)
Bouman, M. A., 2058, 3758, 5418, 6959
Bounous, B. L., 8950(a)
Bourdeau, H. A., 7426
Bourdinaud, J., 3415
Bourdon, J., 903, 4520
Bousfield, W. A., 2206, 5491, 7135, 8348
Bouteloup, P., 3390
Bouton, A., 8114
Bouvet, M., 4688
Bovard, E. W., Jr., 300, 5793
Bovarnick, M. E., 4980
Boverman, M., 2987
Bowditch, E. F., 3269
Bower, R. T., 724
Bower, W. C., 6715(t)
Bowers, H., 5662
Bowers, M. K., 7570, 7571
Bowlby, J., 604, 2393
Bowles, L. I., 2705
Bowlus, D. E., 7894
Bowman, F. Q., 4913
Bowman, J. R., 1799
Bowman, K. M., 1127, 1212, 2966, 4414, 7712
Bowman, P., 4615, 4616
Bowman, W. D., 7058
Boyd, H., 2155
Boyd, P. S., 3069
Boyd, R. D., 7958(a)
Boyle, C. P., 658
Boyle, D. J., 6672
Boyle, J., 6923
Boynton, R. L., 4780
Boynton, R. M., 3059, 5419, 6960
Braceland, F. J., 251, 6178
Brachfeld, F. O., 5876, 6740, 7713
Brachjahu, M., 7780
Brackmann, J. F., Jr., 8517(a)
Bradbard, L., 7154
Bradbury, W. C., 741
Braden, M. M., 4564
Bradford, H. F., 6969
Bradford, L. P., 3259, 4899
Bradley, J. E., 8645(a)
Bradley, K., 6899
Bradley, P. B., 6753
Bradley, P. H., 6774
Bradley, R. A., 111, 2019
Bradshaw, J. H., 6584
Bradway, K., 2620
Brady, J. V., 3900, 5353, 5492, 5596
Bragg, V. C., 839, 8452
Brahiyahu, M., 2965
Braithwaite, L., 7393
Braithwaite, R. B., 86
Bram, J., 4165
Brambilla, S., 991
Brame, J. B., 1654
Brammer, L. M., 4957
Brand, H., 4531
Brandauer, C. M., 468
Brandenburg, E., 2394, 7329
Brandow, G. E., 7412
Branham, B., 6137
Brav, S. R., 7939
Bray, D. W., 2174
Brayfield, A. H., 1616
Brazelton, T. B., 7857
Brazier, M. A. B., 5354
Brecher, S., 7571
Breckenridge, M. E., 2344
Breckinridge, E. L., 2356
Bredt, C. V., 3455(t)
Breil, M. A., 6342
Brembeck, W. L., 837
Brener, B., 2267
Brengelmann, J. C., 2307, 7508
Brennan, John J., 7572
Brennan, Joseph G., 1787
Brennan, N., 6611
Brenner, C., 1214
Brenner, M. W., 3759
Bressler, M., 790
Breason, F., 8661
Brewer, W. L., 8410
Bricker, P. D., 3760, 6716(t)
Brickley, P. M., 2060
Bridger, D., 1464, 1465
Bridges, T. J., 6407(a)
Bridgman, C. S., 3761
Bridoux, A., 7110
Briggs, D. L., 4119, 8716
Briggs, G. E., 3658
Briggs, L. J., 3373
Briggs, M., 7261
Bright, H. F., 3456(t)
Brill, L., 6229
Brill, R. G., 3149
Briller, S. A., 281
Brindley, G. S., 6961
Brinegar, W. C., 5768
Brink, F. W., 1280
Brinkley, S. G., 3186
Brinkmann, D., 805
Britt, S. H., 6705
Brittain, W. L., 8567(a)
Britton, J. H., 7208, 8100
Broadbent, D. E., 3930, 5493, 5494
Brobeck, J. R., 1973, 2011
Brock, F. W., 3762
Brodbeck, M., 5183
Broddin, M. J., 4334
Brodman, K., 7916
Brodsky, B., 362
Brodsky, I., 992
Brodsky, R., 2706
Brodwall, S., 7573
Brody, D. S., 4890
Brody, E. B., 7742
Brody, G. G., 7509
Brody, M. W., 1262(a), 1385, 7238
Brody, S., 4706(a)
Brogan, F. A., 2148
Brogden, H. E., 112, 5208
Brogden, W. J., 469, 3858
Brokaw, L. D., 5209
Bromberg, W., 6288, 6289, 7714
Bromberg, Y. M., 3788
Bromiley, R. B., 1984
Bromley, D. B., 4101
Bronner, A., 7574
Bronson, W. C., 2283
Bronstein, L. H., 2357
Brookover, W. B., 5905
Broser, F., 3044
Brosa, I. D. J., 5210
Brouha, L., 9106
Brouillette, J. H., 5482
Brower, D., 6016
Brown, A. E., 3552
Brown, C. W., 1617, 3341
Brown, D. R., 2020, 3716
Brown, E. J., 4217(a), 7413
Brown, F. A., Jr., 8361
Brown, F., 4335, 6020
Brown, G. C., 7591
Brown, H. S., 8465
Brown, I. D., 9001(a)
Brown, J. C., 791
Brown, J. L., 2061, 6962, 8230, 8231
Brown, J. S., 5573, 5574
Brown, K. T., 2062, 5420
Brown, Manuel N., 7510
Brown, Marguerite, 7262
Brown, Meyer, 3710
Brown, Milon, 8199
Brown, Mortimer, 4120
Brown, N. M., 6464
Brown, P., 733, 9096
Brown, P. K., 5470, 5471
Brown, R., 5847
Brown, R. G., 149
Brown, R. H., 1822
Brown, R. L., 7511
Brown, R. W., 5663
Brown, Saul L., 2808
Brown, Stanley B., 7959
Brown, W. F., Jr., 5946
Brown, W. H., 4166, 4736(a), 4914
Browne, K. M., 5367, 8361
Browne, R. C., 5495
Browneil, J. A., 1466
Browneil, W. A., 1467
Browne-Mayers, A. N., 6272(a)
Brownfield, E. D., 5906
Browning, J. S., 4707
Brownlee, K. A., 1858
Brozek, J., 2116, 3762, 5330, 5421, 6963(a), 7036, 7040
Bruce, J. M., Jr., 4706
Bruce M. M., 5019, 5198, 5199, 5200
Bruce, W. C., 5496, 7075(b)
Bruce, W. F., 8058
Bruce, W. J., 4929(a)
Brüel, O., 3045, 6343, 8632
Bruell, J. H., 6963(a), 7036, 7040
Brun, R., 3500, 4709, 5143
Brundidge, A. D., 3248
Bruner, E. M., 2473
Bruner, J. S., 675, 5838, 7459
Brunetti, P. M., 4336
Brunk, M. E., 5082
Brunner, E. d.S., 4258
Brunner, J., 3659, 8863, 8341
Brunnhölzl, K., 6929
Bruno, A. A., Jr., 7687
Brunswik, E., 301
Brutten, M., 4788
Bry, I., 6828, 5238
Bry, T., 4415, 7606
Bryan, D., 1521
Bryan, F. E., 7960
Bryt, A., 6403
Brzezinsky, A., 3789
Buchanan, P. C., 6649
Buchanan, W., 5907
Buchmann, H. H., 8843(b)
Buchthal, F., 5331
Buchwald, A. M., 2189(a)
Buck, M., 2951
Buckle, D., 3501
Buckley, B. B., 3391
Buckley, E. P., 3357
Budd, W. C., 113, 9036
Buegel, H. F., 2156, 6485
Buehler, J. A., Jr., 1694(t)
Buell, B., 7414
Buell, C., 3249
Buell, P., 811
Bugental, J. F. T., 993, 7776
Bugniot, M., 2869
Bühler, C., 4416
Bühler, K., 3722
Bujas, Z., 2021, 3231
Bullock, B. J., 4914
Bullock, D. H., 7136
Bullock, R. P., 5020, 5086, 9070(a)
Bullock, T. H., 278, 2157
Bumagin, V. I., 8200
Bunker, H. A., 1809, 2290, 5689
Bunzel, J. H., 5794
Burch, N. R., 6925
Burchard, E. M. L., 2242
Burdick, H., 740, 2458
Burgemeister, B. B., 2355
Burger, J. W., 8466
Burger, R., 4813
Burgess, E., 8970(a)
Burgess, E. W., 5763, 5908, 6290
Burian, H. M., 8411
Burke, C. J., 1646, 3560, 3940, 5211
Burke, L., 2063
Burke, N. F., 4930
Burkinshaw, J., 7688(b)
Burks, J. E., Jr., 5059
Burleigh, B., 8412
Burlingham, D., 6392
Burma, J. H., 742
Burmester, M. A. H., 2243(a)
Burnett, C. W., 8023
Burnham, R. W., 3763, 5422
Burnight, R. G., 4230
Burrall, L., 9037(a), 9038
Burros, R. H., 3561
Burrow, T., 5144
Burstall, P. A., 3687
Burstein, S. R., 2358
Burstin, J., 7363
Burt, C., 1859, 6462, 8308
Burton, A., 6860, 7689
Burton, N. G., 3723
Burton, W. H., 4814, 5909
Burtt, H. E., 170
Burtt, M. M., 8017
Buscaino, V. M., 1128
Busching, H. C., 4218
Buser, P., 3717
Bush, R. R., 2268, 5597
Bush, W. R., 6980

Busnel, R.-G., 7048
Buss, A. H., 470, 471
Busse, E. W., 3031, 6900
Bustamante, J. A., 7575
Buswell, M. M., 4815
Butler, A. J., 7091
Butler, J. M., 4417, 5981, 7211
Butler, R. A., 472, 7111
Button, A. D., 6879(a)
Buxbaum, E., 6230, 8775
Buytendijk, F. J. J., 2311, 5575
Bychowski, G., 7807, 8833
Byers, R. K., 7264(a)
Bykov, K. M., 1961, 5332
Byoshik, T., 3801
Byrne, M. C., 1271

Cadoret, R. J., 6930
Caffrey, J., 114, 4816
Cahan, S., 1918
Cahen, E. R., 3001
Caignie, A., 7512
Cain, J., 1306, 7882
Cain, L. F., 8036
Calcutta University. Department of Psychology, 159
Calden, G., 4337, 4641
Caldwell, M. G., 1281
Caldwell, W. E., 473, 3502
California. State Dept. of Education, 3250
California. State Dept. of Mental Hygiene, 2966
Caligor L., 4338
Caliman, A. W., 7315(a)
Callis, R., 1584
Calogera', E., 659
Calogeras, R. C., 1695(t)
Calvert, J. J., 4306(a)
Calvin, A. D., 932, 2250, 5593, 7137, 7513
Calvin, J. S., 3931, 3932
Camera, A., 1977
Cameron, D. Ewen, 904, 3438
Cameron, Dale C., 6612
Cameron, J. L., 4948
Cameron, K., 2707
Cameron, L., 1211
Camp, N. H., Jr., 2621
Campbell, A. A., 3542, 6708
Campbell, B. A., 474, 5407
Campbell, D. T., 867
Campbell, E., 8109
Campbell, F. W., 6964(a)
Campbell, H., 6650
Campbell, J. A., 2852
Campbell, J. D., 6344
Campbell, M., 7860
Campos, N., 5181(b)
Canepa, G., 199
Canestrari, R., 1131, 1307, 1411
Canestrelli, L., 3503
Canfield, A. A., 3342, 3392
Cannell, C. F., 3542
Cant, W. H. P., 4532
Canter, A. H., 1088
Canter, F. M., 7844
Cantoni, L. J., 4286(a)
Cantor, N., 7940
Cantor, S. J., 7961(b)
Cantril, H., 5907, 7342
Capek, M., 3630
Capian, G., 7858, 8583
Capol, M., 4339, 8467
Capon, N. B., 2893
Caprini, G., 8232
Capron, E. B., 6239
Capul, M., 924
Capurso, A., 933
Carballo, I. R., 3070
Carel S., 934
Carey, C., 365(a)
Cargnello, D., 1129, 2708, 4689
Carhart, R., 3832, 3839, 8456
Carillo, E. M., 4676(a)
Carl, E. F., 8419
Carlin, L. C., 6586
Carlo, J., 3000
Carlson, C. R., 8971(a)
Carlson, L. D., 8468
Carlson, V. R., 3764, 4340, 6717(t)
Carlton, B. J., 4810
Carmichael, D. M., 4418
Carmichael, P. A., 3504
Carnap, R., 4256
Carnus, J., 1810
Caron, H. S., 1696(t)
Carothers, J. C., 4187
Carp, E. A. D. E., 155, 1215, 2709, 4419, 6230, 7578
Carpenter, A., 3539
Carpenter, C. R., 1468, 8972
Carpenter D. B., 2435, 4230
Carpenter, E. S., 4188
Carpenter, F., 7192(a)
Carpenter, L. G., Jr., 2710, 4715
Carper, J., 8646
Carper, J. W., 1697(t), 2208, 3859
Carr, J., 1263
Carrel, A., 3488
Carroll, J. B., 1860, 5212, 5947, 8973
Carroll, S. P., 6779
Carruth, W. A., 3860(a)
Carstairs, G. M., 4617
Cartee, J. K., 8005
Carter, D. B., 3765
Carter, E. M., 1535
Carter, H. D., 1553
Carter, H. L. J., 6486
Carter, I. D., 8368
Carter, L. F., 7330
Carter, R. S., 6587
Carter, W. E., 171
Cartier, F. A., 7445
Cartwright, D. P., 676, 2395, 3542, 5848, 5860
Cartwright, R. W., 1698(t)
Caruso, I. A., 1216, 2190, 4287, 5122
Casby, J., 382(a)
Case, Harry W., 1675
Case, Herman M., 719, 828
Casey, J. E., 9039(a)
Casner, D., 2556
Casper, G. W., 5387
Cass, L. K., 4075(a)
Cassel, M. E., 2853, 2854
Cassel, R. N., 104, 4259, 7577
Cassirer, E., 5948
Castanera, T. J., 414, 8477
Castellis, C., 1219, 8934
Castiglioni, G., 994
Castle, M. E., 5498
Castle, P. F. C., 720
Castro Avila, J. L., 6291
Cattell, J. P., 4420
Cattell, R. B., 721, 722, 1846, 2269, 2396, 4341, 5795, 6775, 6861, 7212, 7514, 8495, 8702
Catterall, C. D., 6044
Caudill, W., 8878
Caughran, A. M., 8974(a)
Cautela, J. R., 6719(t)
Cavan, R. S., 782
Cavanagh, J. R., 2809
Cazzullo, C. L., 7690
Ceasarman, F. C., 7804
Celotti, M., 7859
Center, B., 7962
Centers, R., 793
Cesa-Bianchi, M., 934, 1359
Cesio, F. R., 1383, 4690
Chace, M., 6079
Chalmers, E. L., Jr., 5423
Chamberlain, G. H. A., 2980
Chambron, H., 7963
Chamlin, M., 5424
Chance, E., 4076(a)
Chance, M. R. A., 5499(a)
Chand, T., 743
Chandler, K. A., 7076(a)
Chang, H. L., 6965
Chang, H.-T., 2064, 5355
Chang, N. K. Y., 1699(t)
Chang, T.-S., 5145
Chapanis, A., 328, 1647, 2110, 3760, 6776
Chapin, N., 935
Chaplin, J. H., 6487(a)
Chapman, A. H., 2894
Chapman, A. L., 6574
Chapman, A. W., 4121
Chapman, D. W., 4122
Chappell, D. T., 4737(a)
Chappell, T. L., 8616(a)
Charen, S., 6021
Charen, T. G., 3150
Charland, P. V., 8264
Charles, M. S., 436
Charlesworth, M. J., 2106
Charnes, G., 1700(t)
Charpentier, S., 6673
Charters, W. W., Jr., 5910
Chartier, R., 6630
Chasdi, E. H., 1701(t)
Chase, J., 8145
Chase, M. E., 4533
Chaskel, R., 995
Chassan, J. B., 1861
Chatfield, P. O., 277
Chatterjee, B. B., 8102
Chatterjee, N. R., 6966
Chatterji, N. N., 1308, 4642, 6231, 7808
Chauchard, P., 1919
Chauvin, R., 32
Chazan, M., 7860
Cheatham, M. J., 3457(t)
Cheatham, P. G., 7042
Chebysheva, N. A., 8287
Cheesman, G. H., 302
Chein, I., 8288
Chenoweth, R. W., 4006(a)
Chenven, H., 8857(a)
Chernomordikov, V. V., 3540
Chernorutskii, M. V., 8912
Cherry, E. C., 4260, 4261
Chess, S., 1293
Chessick, R. D., 3505
Chevysheva, N. A., 1921
Chikauchi, Y., 6931
Child, I. L., 782, 2287, 3901, 5664
Childs, G. B., 7964
Chinn, H. I., 3861, 3862
Chiozza, G., 1384
Chitty, D., 3592
Chitty, H., 3592
Chodoff, P., 5911, 8906
Choisy, M., 33, 34, 1788, 2711, 4057, 7112
Cholden, L., 1436, 6446, 8951
Chor, H., 3710
Chorus, A., 2537
Chow, K. L., 2209, 7016
Choynowski, M., 8342
Chrenko, F. A., 5060
Christ, R. E., 1599
Christal, R. E., 5209
Christensen, C. M., 1554
Christensen, P. R., 2248, 4358, 5653, 9081
Christian, P., 233
Christie L. S., 475, 2544
Christie, R., 7213
Christman, R. J., 329
Christner, F., 8975
Christoffel, H., 996, 7578
Chriswell, M. I., 1618
Churton, T. A., 6674
Cianci, V., 1178, 6208
Cibis, P. A., 330, 3773
Cima, V., 8897(b)
Citron, A. F., 727
Clampitt, R. R., 5657
Clancy, D. D., 4468
Clancy, J., 1331, 3011
Clancy, N., 6585
Clare, M. H., 1976, 6698
Claringbold, P. J., 6777
Clark, B., 331, 2022, 2075, 3343, 3344, 3393, 6675, 6981, 8496
Clark, C. E., 115
Clark, J. H., 3187, 4915
Clark, J. R., 5182, 5195, 6754
Clark, K. B., 606
Clark, K. E., 2514, 6862
Clark, R. A., 35
Clark, Robert E., 2990, 6778
Clark, Rodney A., 3458(t)
Clark, Russell A., 5581
Clark, S. L., 285
Clark, W. W., 4931, 8559
Clarke, A. D. B., 4534, 5654
Clarke, A. M., 4534, 5654
Clarke, S. C. T., 4958
Clarke, W. J., 4817(a)
Clausen, J. A., 2564
Clausen, J. S., 990
Clausen, John, 6932
Clauss, L. F., 4167
Clausse, A., 7965
Clavreul, J., 3688
Clay, Hilary M., 7316
Clay, Hubert H., 4988
Clay J., 6741
Cleckley, H. M., 6270, 6289, 7757
Clegg, W. C., 8394
Cleghorn, R. A., 6124, 7861, 8248
Cleland, D. L., 4818
Clements, R., 6967
Cleveland, S. E., 2670
Clouston, G. S., 1097
Clow, H. E., 1309, 5764
Clymer, T. W., 4342(a)
Cobb, A. B., 3459(t)
Cobb, D., 8810
Cobb, S., 1212, 3039
Coble, J. C., 997
Coburn, H. E., 36, 3933, 5146
Cochran, L. B., 1646
Cochran, W. G., 116, 6779, 6780, 7077
Cockcroft, J. D., 8613
Cockrell, J. T., 3934(a)
Coda, G., 1330
Coetsier, L., 6667
Cofer C. N., 6858
Coffer, R. H., Jr., 7495
Coffey, H. S., 2712, 8702
Coffman, R., 6420
Cogan, D. G., 1412, 6968
Cogswell, J. F., 1446, 1499
Cohen, A. C., Jr., 3562, 6781, 6782
Cohen, B. D., 7809
Cohen, B. H., 2206
Cohen, D., 7805
Cohen, E., 794, 7764(a)
Cohen, Janice, 4719
Cohen, Jay D., 3863(a)
Cohen, John, 2244, 2397, 5576, 7138
Cohen, Leon B., 4337
Cohen, Leonard A., 5500
Cohen, Lillian, 8309
Cohen, Louis D., 7124, 8343
Cohen, Louis H., 1130
Cohen, R. A., 4489
Cohen, Y., 2312
Cohen, Y. A., 7394
Cohn, J. B., 7810
Cohn, R., 3014, 5732
Cohn, T. S., 7415(a)
Cohn, W. M., 6421
Colby, K. M., 1643
Cole, D., 2622
Cole, J., 476, 8372
Cole, K. F., 7129
Cole, Lawrence E., 3
Cole, Luella, 8584
Cole, M. E., 3017
Coleman, J. C., 1179, 1522, 7966, 8880
Coleman, J. V., 2557, 2558
Coleman, M. L., 3684, 4034
Coleman, R. W., 7265
Coleman, W., 1536
Coles, M. R., 7182
Coles, R., 4719
Colgin, R. W., 8717(a)
Colliander, N.-O., 6871
Collias, N., 3633
Collier, G. H., 3823
Collier, J. S., 4330
Collier, Raymond O., Jr., 117
Collier, Rex, 3046, 6080
Collignon, R., 3660
Collingdon, M., 982
Collins, C. C., 5213(a)
Collins, J. J., 8929
Collis, E., 6422
Colm, H., 2713, 4557
Colombati, S., 1131
Colquhoun, N. C., 576
Columella, F., 2895
Combs, A. W., 5302, 7474
Combs, C. M., 8373
Combs, W. F., 6544(b)
Commin, R., 644
Comrey, A. L., 1600, 2248, 3345, 3392, 5050
Congalton, A. A., 744, 7266
Congar, Y. M.-J., 7395
Conger, B., 8687
Conklin, J. E., 1822
Conklin, M. E., 4798
Conn, H. F., 8743
Conn, J. H., 3047, 4738, 7715
Conner, L. E., 997
Conner, S. G., 7917
Connolly, T. G., 5214
Connor, D. V., 2270(a)
Connor, R., 4576, 7730
Conrad, D. G., 506
Conrad, K., 3112, 4739
Conrad, R., 3539
Conti, J. W., 2559, 7475
Cook, C. W., 8201
Cook, D. M., 3697
Cook, F. S., 4997(a)
Cook, J. O., 3935
Cook, L. A., 676
Cook, N., 378
Cook, P. H., 3320
Cook, R. A., 4343
Cook, W. W., 1471
Cooley, J. C., 2291(a)
Coombs, C. H., 3542, 4932, 8289
Coons, D., 5765
Cooper, B. J., 3460(t)
Cooper, C. E., Jr., 9051(a)
Cooper, Emily M. F., 5303
Cooper, Emmett E., Jr., 3461(t)
Cooper, F. S., 5949
Cooper, I. S., 5369
Cooper, M., 5985
Cooper, P. E., 6793

Cooper, W., 4908
Copeland, D. E., 7078
Corbett, J. L., 8501
Corbin, H. H., 3422
Corcoran, A. L., 8595(a)
Corcoran, J. D., 49
Corcoran, M. E., 998
Cordeau, R., 7267
Cordova, F. A., 544
Corey, S. M., 3171, 9060
Cormack, M., 5796
Cormier, B. M., 1310
Cornell, F. O., 3281
Cornell, J. B., 7306(a)
Corner, G. W., 2151
Cornet, R., 7288
Cornsweet, J. C., 2112
Cornsweet, T. N., 2112
Corona, E. A., 3346
Corrigan, M. A., 6585
Corriol, J., 1306
Corsini, R. J., 936, 2963, 4618, 6081, 7317, 7580, 8280
Corso, J. F., 8568
Cortada, N., 5502(b)
Cosgrove D., 5103(t)
Cosper, R., 3188, 7967
Costner, H. L., 6544(b)
Cottingham, H. F., 1537
Cottle, W. C., 879, 3290, 4288, 7269, 7476
Cotton, J. W., 3823, 7139
Cottrell, C. L., 3424
Cottrell, L. S., Jr., 2894
Cotts, G. E., 5497
Coulson, A. M., 7734
Council of State Governments, 2560
Courbin, J.-P., 6631, 7477
Courtney, D., 667, 1678, 2367
Courville, C. B., 4740, 4741, 7695, 7696
Cousins, A. N., 4619
Covell, W. P., 3834
Covner, B. J., 5021
Cowen, E. L., 550, 2345, 5385
Cowitz, B., 2760, 5830
Cowles, E. S., 8790
Cowles, M. L., 795
Cowles J. T., 1555
Cowley, J. J., 3321
Cowne, L., 8070
Cox, D. R., 118, 3563, 8202
Cox, E. N., 4558
Cox, F. N., 2714
Cox, G. J., 2023
Cox, M. A., 3189
Coxe, M. S., 2548
Coyer, R. A., 3936(a)
Coyle, G. L., 2595
Cozan, L. W., 5239
Craig, C. C., 119
Craig, E. A., 5425
Craig, R. C., 3190
Crall, H. W., 4819(a)
Cramblett, H. G., 6232
Crampton, G. H., 8503
Crandall, V. J., 6124
Crandell, C. A., 6124
Crane, M. M., 6975
Cranneil, C. W., 4959
Crawford, R. E., 4960(a)
Crawhaw, R., 3118
Crawley, M. G., 3564
Creed, R. S., 172
Creedon, C. F., 1702(t)
Crelin, E. S., 6880
Crema, A., 7007(b)
Crerar, J. W., 332
Crescitelli, F., 6413
Cress, R. H., 8379
Cressey, D. R., 6292, 6293
Creswell, W. H., Jr., 3191(a)
Crider, B., 1385
Crissy, W. J. E., 3347, 3354, 3356, 3357, 4981, 7493, 8781
Crist, J. R., 1506
Criswell, J. H., 6614(b), 8344
Critchley, M., 7918(b)
Crockett, W. H., 4123(a)
Cronbach, L. J., 130, 4168, 5215, 5237, 7941
Crook, G. H., 2919
Crookes, T. G., 2080
Crooks, R. M., 8203, 9002
Crooks, W. R., 3282(a)
Crosby, D. W., 1569
Cross, B. A., 3618
Cross, T. N., 7495
Crosskey, M. A., 6396
Crossland, J., 359
Crossman, E. R. F. W., 3902
Crothers, B., 3135, 7897(a)
Crouch, R. L., 3710
Crow, A., 2313
Crow, L. D., 2313
Crow, R. R., 3394
Crowell, D. H., 4710
Crowell, L., 7331
Crowley, R. M., 1715
Crown, S., 1356, 2716, 6179
Cruickshank, W. M., 4742, 7866
Crumley, L. M., 3395
Crumpacker, B., 6239
Crutcher, H. B., 999, 2596, 6124
Crutchfield, R. S., 5797
Cruvant, B. A., 2967, 6082
Cruze, W. W., 607
Cruz Ferreira, A., 1132
Cruz Lopez, D., 8030
Csapody, E., 5067
Cuadra, C. A., 5104(t)
Cuendet, J. F., 333
Culbert, S. S., 6969
Culler, A. M., 5426
Cumbee, F. A., 121
Cumings, R., 687, 2561
Cumming, E., 1331, 3011
Cunego, A., 7716, 7942
Curnutt, R. H., 2896, 7515
Curran, C. A., 6273
Curran, F. J., 2596
Curry, E. T., 379
Curtis, E. A., 4916
Curtis, R. W., 8958(a), 9002(a)
Curtis, W. B., 6239
Cushing, M. M., 7862
Cutner, M., 4421
Cutts, N. E., 606, 3251, 3252
Cutts, W. G., Jr., 3192, 3220

D., H. V., 1920
Dabie, R. R., 4103
Dabout M., 4808, 4820
Dague, P., 4933
Dahl, J. A., 4934
Dahlbom, L., 8841
Dahle, T. L., 9093
Dailey, C. A., 4307
Dailey, J. T., 1556, 4998
Daily, J. M., 8518(a)
Daim, W., 4308
Dale, A. G., 6645
Dale, H., 3702
Dale, S. H., 6544(b)
Daila Volta, A., 2897, 7717
Dallenbach, K. M., 87, 3506, 3723, 5427, 6443
Dall'Oglio, G. N., 4559
Dalton, C. F., 7113
D'Amico, L. A., 7969(a), 7969
Damstra, M. N., 6548
Dana, R. H., 7215
Daniel, R. S., 5304
Daniels, G., 1391, 6400
Daniels, H. W., 5022, 6632, 8110
Danik, J. J., 6083
Danilov, I. V., 1921
Danziger, K., 477
Darc, E., 1000
Dardenne, R., 4344
Darley, J. G., 2408
Darling, H. F., 2898
Darrough, D., 6544(b)
Darrow, C. W., 2191
Dartnall, H. J. A., 6970(a), 8413
Darwin, M. R., 2966
Das, T. C., 7397
Dasgupta, J., 5577(b), 7270
Dash, R. A., 8101
Daston, P. G., 1311, 2989(a)
Datta, D. M., 5798(b)
Dattner, B., 1264
Dauterman, W. L., 4781
Daval, B., 8102
David, F. N., 8310
David, G., 1862
David, H. P., 2623, 8881
David, M., 4797
Davidenkov, S. N., 1357
Davidoff, M. D., 1863
Davidson, Helen H., 5865, 5961
Davidson, Henry A., 7781
Davidson, H. R., 3396
Davidson, M. A., 5979
Davie, G. E., 2425
Davie, J. S., 4877
d'Avignon, M., 5386
Davis, A. S., 4982
Davis, B., 2398
Davis, D. R., 5023, 5504
Davis, E. T., 1703(t)
Davis, Frank G., 1112
Davis, Frederick B., 1557
Davis, G. F., 3374
Davis, H., 7049
Davis, Keith, 4262, 8138
Davis, Kingsley, 4188
Davis, L. E., 1649, 5061
Davis, N. M., 1632, 1633
Davis, R., 3701
Davis, Russell, 4630
Davis, R. A., 6463
Davis, R. C., 3807
Davis, V. T., 1264
Davison, A. H., 2810
Davison, W. P., 830
Davitz, J., 693, 3937
Dawson, D. T., 4821
Dawson, R. E., 7898
Dax, E. C., 6180
Day, M., 4341
Day, R. H., 8469
Daya, E., 4204
Dayhew, L. T., 7271
Deaglio, R., 3397
de Ajuriaguerra, J., 4743, 8374
de Alvarez de Toledo, L. G., 905
Deasy, L. C., 1447
de Boor, W., 7863
de Botton, J., 924
Debreu, G., 678
De Crow, T. W., 2163, 5618
Decurtins, F., 4422
Dederding, D., 2133
Deeb, B., 577
Deen, R. R., 4119
Deese, J., 3391, 3938, 7140
De Fleur, M. L., 4275
de Forest, I., 4691
DeGoza, S., 1389
De Graaf, A., 8037
DeGrange, M., 5799
DeGreene, K. B., 1704(t)
de Groot, S., 6971
DeHart, W. A., 8032
deJesús, C., 2471
Delaporte, P., 6311
de Laszlo, V., 2717
Delattre, P., 5949
Delay, J., 3688, 6345
Delgado, H., 1789, 2271, 3048
Delgado, J. M. R., 260, 261(a) 8882
DeLisle, F. H., 8016(a)
de Lissovoy, R., 8103
Delius, H., 88
Dell, M. B., 3131
Della Beffa, A., 7690
Della Valle, L., 1658
DeLorme, T., 435
Delp, H. A., 2855
Delys, L., 4999, 6755
De Martino, M. F., 2246
Dember, W. N., 3064
De Medeiros, M., 1133
De Michele, J. H., 8744
Deming, W. E., 2459, 6783
de Montmollin, G., 8617
De Morsier, G., 6423
DeMott, J. D., 3023
Dempster, J. J. B., 8718
Denbigh, K. G., 5388
Denenberg, V. H., 2158
Denerley, R. A., 1634
Denhoff, E., 8038
Denis-Prinzhorn, M., 7013
Dennis, W., 200, 3232, 4102
Dennison, A. L., 1525
Denny-Brown, D., 7899
Denton, J. C., Jr., 8312(a)
Denyssen, J. A. F., 7579
de Oliveira, I. M., 1302
de Pichon Rivière, A. A., 1098
DeProspo, C. J., 4536, 8052
De Renzi, E., 1359
de Ribaucourt, B., 2952, 4605
DeRidder, L. M., 1558, 8017
Derivière, R., 6169
Derner, G. F., 6393
Dershimer, F. W., 1134, 6651, 8111
de Rudder, B., 234
Derwort, A., 235
de Saint-Yves, L., 6275
de Saussure, R., 5147
Deschin, C. S., 906
de Schweinitz, K., Jr., 8618
Deshayes, M. L., 3508
Desmonde, W. H., 679, 2474
de Sonneville, L. M., 6409
Despert, J. L., 2314
De Stephens, W. P., 6294
Detambel, M. H., 3939(a)
Detchen, L., 3283, 8071
Deterling, R. A., Jr., 6211
De Traubenberg, N. R., 7919
Dettering, R., 5148
Detwiler, S. R., 5357, 6901
Deutsch, C. P., 2624, 6424
Deutsch, D., 7864
Deutsch, F., 3071, 4711, 6084, 6394 8913
Deutsch, J. A., 5149
Deutsch, K. W., 5912
Deutsch, L., 37
Deutsch, M., 745, 796
DeValois, R. L., 8350
DeVault, M. V., 9003(a)
Devereux, G., 1312, 2292, 6085, 8610
Devlin, J. P., 8745(a)
DeVos, G., 2625
De Voss, H., 4606
DeVries, H., 2065
deVries, S. J., 38
de Waele, J. P., 903
Dewald, P. A., 6086
Dewan, J. G., 1318
Dial, H. E., 4423(a)
Diamond, A. L., 3766, 8230, 8231
Diamond, B. L., 3661
Diamond, I. T., 380(a)
Diamond, L. K., 6802
Diana, P. B., 3088
Diatkine, R., 2718, 4445
Di Carlo, L. M., 3151, 8039
Dichter, E., 8267
Dickel, H. A., 6312
Dickens, M., 7332
Dickenson, H. F., 3565
Dickerson, R. E., 7272
Dickie, M. M., 236
Dicks, H. V., 4309
Dieboid, J. T., 3375, 6205
Dieneit, K., 6742
Dierkens, J., 4345, 4346
Dierkens-Dopchie, N., 4345, 4346
Diethelm, O., 1250, 1313
Diggory, J. C., 3719, 4035
Digna, S., 8050
Dijkhuis, J. H., 303
Dillier, L., 3808
Dilley, N. E., 3304
Dillick, S., 2399
Dimberg, R., 8883
Di Michael, S. G., 1180, 2856, 2857
Dimitrijevic, D. T., 1413
Dimond, S. E., 6464
Dingle, H., 1790
Dingwall, E. J., 446
Dinsmoor, J. A., 478, 7141
Dinsmore, A. B., 4762, 8040
Dinsmore, M., 7970
Dionesov, S. M., 5279, 6327
Dipboye, W. J., 7478
District of Columbia. Public Schools, 2315
Ditchburn, R. W., 2066
Dittborn, J., 2159
Di Tullio, B., 1282, 8864
Di Vesta, F. J., 3172, 8072
Dixon, N. R., 5913
Dixon, W. J., 1864
Doane, B. K., 6633
Dobberstein, W. F., 9022(a)
Dobbin, J. E., 3284
Dobin, N. B., 3710
Dobson, D., 1111
Dobson, R. L., 6922
Dockar-Drysdale, P., 4620
Docter, R. F., 8865
Dodd, S. C., 4124, 4263, 7416, 7446
Dodge, J. M., 6971
Dodson, D. W., 746, 747, 7943
Dogan, S., 1425
Doherty, H. A., 3322
Dolan, D. L., 2562
Dolan, K. M., 2879
Dolan, M. C., 8060
Dolansky, M. P., 6588
Dolch, E. W., 6488
Dolch, J. P., 8453(a)
Doll, E. A., 2858, 4347, 4536(a), 4900
Dollard, J., 1048, 6087
Doltolo, J. J., 2834(a)
Dôme, S. E., 4396, 7349
Domingos, W. R., 413
Domnick, G., 3113
Domnick, O., 3113
Donahue, R. S., 1469
Donahue, W., 660, 4110, 5765, 5766
Donaldson, D. N., 3881
Doniger, S., 7417

Donnell, C., 3120, 3121
Donnelly, J., 578
Donnelly, R. J., 7079(a)
Donner, K. O., 6972
Donze, J. M., 5069
Doob, D., 8043
Doob, L. W., 2538, 2539, 8646
Doppelt, J. E., 1601, 6784
Doran, F. S. A., 534
Dorcus, R. M., 3128, 8702
Dorken, H., Jr., 2359, 2626, 3129 4370, 6022
Dorris, R. J., 7216
Dorsey, J. M., 3277, 7479
Doss, R., 8042
Dotson, F., 4219, 8647
Dougherty, D., 6691
Douglas, D. B., 1333
Douglas, J., 7333
Douglass, J. H., 7418
Douglass, K. W., 7418
Douglass, W. B., 1705(t)
Douvan, E., 5800, 5801
Dover, F., 7633
Dow, C. W., 3193(a), 7447(a)
Downie, N. M., 1507, 3305, 6465(a)
Dozier, J. P., 3253
Drabs, J., 5053, 5054, 5055, 8227
Dracoulides, N. N., 570, 680, 2293, 5690, 7718
Drake, L. E., 937
Drambarean, N. C., 3743
Draper, P. A., 5767
Dreger, R. M., 6023, 6486, 6613
Dreher, J. J., 839
Dreikurs, R., 39, 40, 41, 7494, 7580
Dresher, R. H., 6566
Dresler, A., 3767
Dressel, P. L., 880, 4935, 5216, 8073
Drever, J., 5305
Drew, A. L., Jr., 4424
Drew, G. C., 5598
Drews, R. S., 4692
Dreyer, H. M., 5000
Dreyfuss, F., 8914
Drillich, P. A., 5724
Drinker, S., 709
Driver, H. E., 4169
Drolette, M., 6882(a)
Drucker, A. J., 2316
Drucker, P. F., 8206, 8270
Drury, H. F., 9113
Dry, R. M. L., 3718
Duane, T. D., 8238
Dubo, S., 6152
Dubois, P. H., 3430, 3566, 6801
Dubowski, K. M., 6312
Duckat, W., 2360
Duddington, A. E., 982
Dudycha, G. J., 580
Duel, H. J., 1470, 6489
Dufour, R., 333
Dugi, A. J., 3861
Dührssen, A., 4425
Dühsler, E., 938
Dühsler, K., 4560
Düker, E., 1962
Düker, H., 1962, 3865
Dukes, W. F., 442, 2040, 2053
Dulany, D. E., Jr., 8350
Dulfano, M. J., 7872(a)
du Mas, F. M., 334, 3567
Dumbleton, C., 4854
Duncan, Carl P., 479, 3980, 7142
Duncan, Charles H., 3100
Duncan, H. D., 840
Duncan, J. O., 4348
Duncan, M., 1099
Duncan, M. H., 1414
Duncan, N., 5505(a)
Duncan, O. D., 728, 1619
Dundon, A. F., 4426
Dunfield, N. M., 8394
Dunham, B., 4
Dunham, H. W., 1135
Dunham, R. E., 8866
Dunlap, J. W., 1650
Dunn, L. M., 8041
Dunne, P., 42
Dunnette, M. D., 941, 1847, 4983
Dunsdon, M. I., 6004, 7516
Dunsmore, R. H., 1340
Dupont, H. J., 2953
Dupont, J.-B., 2111
Dupuy, O., 5415
Durand, D., 130, 6785
Durand, M., 7239
Durbin, J., 6786
Durkheim, E., 6233, 7334
Durkin, H. E., 7581
Durost, H. B., 3130
Durost, W. N., 3285
Durrell, D. D., 4822
Durup, G., 335
Dusek, E., 5556
Dushkin, M. A., 6381
Dushkind, D. S., 8648
Dutkowski, J., 871
Dutton, C. E., 2966, 4349(a)
Duval, A. M., 4512
Duvall, E. M., 797
Duvall, S. M., 797
Dwyer, P. S., 1865
Dyce Sharp, K. M., 8202
Dyer, C. G., 243
Dyer, H. S., 1559, 4936
Dyke, G. V., 6798
Dykens, J. W., 7891(a)
Dymond, R. F., 4427, 6088
Dyrud, J. E., 1001
Dzhordzhikiia, 3541
Dzidziguri, T. D., 3541

Eager, M., 3194
Eagles, J. B., 5506
Eames, T. H., 336, 6490
Earle, A. E., 2080
Eason, R. G., 1706(t)
Eastburg, F. E., 1791
Eastern Psychological Association, 5257
Eastman, A. A., 2079
Easton, D. M., 6899
Eayrs, J. T., 5333
Ebaugh, F. G., 1136, 2746, 2921, 6900
Ebe, M., 3102, 3803, 3084
Ebel, R. L., 4937, 4938, 8074, 8075
Eber, H. W., 5820
Ebert, M., 5238, 6828
Ebling, G., Jr., 8811
Eccles, J. C., 262, 1978, 6899, 8375
Ecob, K. G., 6209(b)
Edgington, E. S., 2160
Edel, A., 3509
Edelberg, R., 8264
Edelheit, H., 7845
Edmands, R., 3235
Edmison, L. D., 4889
Edson, W. H., 1471
Educational Screen, Inc., 1905
Educational Testing Service, 5258
Edwards, A. L., 551, 5666
Edwards, A. S., 5428, 6346, 7080
Edwards, C., 1993
Edwards, G. F., 4189
Edwards, R. M., 8791
Edwards, W., 2400(a), 3768, 3903
Eells, K., 5655
Effron, A. S., 2755, 7634
Efron, V., 1907, 1908
Egan, J. P., 5476
Eggleston, P., 6153
Eglitis, B., 1318
Ehart M. E., 4168
Ehlers, H., 337
Ehrenfels, U. R., 8666
Ehrenwald, J., 1358
Ehrenzweig, A. A., 3439
Ehrsam, E., 7765
Eichorn, D. H., 609
Eidelberg, L., 5578
Eiduson, B. T., 6154
Eiseley, L. C., 2453
Eisen, F. C., 5474
Eisenberg, L., 6234
Eisenman, G., 2008
Eisenson, J., 8395
Eisenstadt, S. N., 2401, 7448
Eisenstein, D., 2628
Eisman, E., 1707(t)
Eissler, K. R., 4058, 5691, 7811
Eitinger, L., 2954
Ekblad, M., 8834
Ekman, G., 8276
El-A'lem, M. A., 43
Elam, C. B., 2210, 5593, 5594
Elbirlik, K., 4601
Eldred, E., 1979, 8362
Éliade, M., 748
Elias, G., 723
Elias, P., 2067
Eliasberg, W. G., 5280, 6295, 7782
Elinson, J., 6719(t)
Eliot, T. D., 798
Elithorn, A., 8396
Elkes, J. A., 6753
Elkin, A. P., 749
Elkin, J. M., 122
Elkin, V. B., 3152
Elkisch, P., 1100, 7743
Ellen, P., 3864
Ellenberger, C., 3769
Ellenberger, H., 4561
Ellenberger, H. F., 7582
Ellerbrock, V. J., 376
Ellingson, R. J., 6235
Elliott, D. N., 3866
Elliott, M. A., 1283
Elliott, S. A., 8776
Ellis, A., 939, 2627, 2719, 5306, 5507, 5914, 8702
Ellis, D. S., 5490, 5599, 5631
Ellis, E., 799
Ellis, F. P., 5508
Ellis, P. E., 4125
Ellison, R. M., 1408
Elison, D. G., 5281, 6743
Elison, E. C., 5281
Ellsworth, R. S., 8498(a)
Elmadjian, F., 3000
Elmer, G. A., 4984(a)
Elmer, M. C., 8649
Elstad, L. M., 8042
Elwyn, A., 3712
Emch, M., 1922
Emerson, A. E., 6744
Emerson, G. A., 6967
Emerson, G. O., 8233
Emerson, W., 5
Emge, M., 8620
Emmens, C. W., 6777
Endo, K., 7719
Engel, F. L., 5334
Engel, G. L., 1137, 4712
Engel, R., 2862
Engelhard, H. M., 3065
Engelhardt, A., 2068, 3835
Engelhart, M. D., 4939, 8076
England, G. W., 842
Engle, B., 2966, 6076
Engle, L., 8112
Engle, T. L., 800, 8812
Engleman, A., 581
English, H. B., 6929, 8519
English, O. S., 447
Englund, T. J., 1602
Eninger, M. U., 5429
Enneis, J. M., 4428
Enoch, H., 3173
Enoch, J. M., 6960
Enroth, C., 6973, 8414
Enste, W., 2990
Enterline, J. D., 7591
Ephron, B. K., 3195
Eppel, E. M., 4878
Epstein, A., 8454(a)
Epstein, H. L., 2720
Epstein, L. I., 3770
Epstein, M., 4901
Epstein, S., 6347
Erasmus, C. J., 4190
Erdélyi, M., 6841
Erdman, A. J., 7916
Erdmann, D., 6236
Erickson, M. H., 6395, 7846
Eriksen, C. W., 338, 2628, 7217
Erikson, E. H., 5667, 5668, 7193, 7480
Erlandson, F. L., 8762(a)
Eron, L. D., 2701, 4350
Ervin, S., 724
Escalona, S., 647, 5725
Escudero, M. M., 7814
Espenschade, A., 4103
Esselstyn, T. C., 6296
Essenberg, J. M., 8520
Essene, F. J., 2442
Essig, C. F., 263
Estep, M. F., 1644
Estes, B. W., 940
Estes, S. G., 1058
Estes, W. K., 3940
Etzel, B. C., 8499(a)
Evans, E. G. S., 4823(a)
Evans, J., 7783
Evans, K. M., 3306(a)
Evans, T. C., 258
Evans, W. N., 448, 6089
Evans-Pritchard, E. E., 4191
Evarts, E. V., 264, 2134, 2211
Everett, P. W., 437
Everhart, R. W., 4607(a), 6274
Evers, J. C., 3323
Ewing, J. A., 4562
Ewing, P. L., 6967
Ewing, R. M., 941
Exline, R. V., 5806
Ey, H., 7661
Eysenck, H. J., 123, 2272, 5689, 5849, 5877, 7517
Ezriel, H., 1823
Ezzat, A., 801

Faatz, A. J., 1002
Fabian, A.A., 2783, 2782
Fabrikant, B., 4351(a), 4429
Fagin, B., 8586
Fahmy, M., 1265
Fahmy, S. A., 7143(a)
Faigin, H., 1708(t)
Failor, C. W., 1538
Fain, M., 3072
Falconer, M. A., 6425
Falk, J. L., 44
Falkenstein, B. Y., 3724
Falorni, M. L., 201
Falstein, E. I., 2899
Family Service Association of America. Committee on Methods and Scope, 2563
Fang, H. S., 8415, 8416
Fangman, R. L., 3575
Fant, C. G. M., 2551
Fantz, R. L., 514
Faran, A., 45
Farau, A., 6090
Farber, D. J., 6091
Farber, I. E., 480, 527
Farber, M. L., 449, 4192
Farberow, N. L., 2631
Faris, J. J., 6951
Faris R. E. L., 7335
Farnham, M. F., 450
Farnsworth, Dana L., 3270, 9023
Farnsworth, Dean, 5062
Farnsworth, P. R., 4213
Farnum, S. E., 5201, 5692
Farrar, C. B., 6842
Farrell, Malcolm J., 2317
Farrell, Muriel, 2317
Fassett, K. K., 936, 7317
Fattu, N. A., 3348, 3398, 4845, 7969
Faublée, J., 7398
Faucett, R. E., 3771
Faunce, L. D., 3196
Faust, J., 6092(b)
Faust, O. A., 8917
Fautrel, M., 4985
Faverge, J. M., 3568, 8234, 8235, 8236, 8298
Favez-Boutonier, J., 5726
Fay, J. C., 395
Fay, L., 3197
Fay, T., 3114, 3115
Fea, H. R., 3198
Fearing, F., 2549, 2550, 4264
Feather, D. B., 2629
Feddersen, W. E., 3929
Federer, W. T., 5062
Fedorov, V. K., 5600, 8376
Fedotov, D. D., 1931
Feffer, M., 5802
Feichtinger, F., 7947
Feifel, H., 2991
Feigenbaum, A., 6915(b)
Feigl, H., 5183
Feinberg, M. R., 2318
Feingold, S. N., 3164, 6783
Feinschil, L. B., 254(a)
Feinstein, R., 8742, 8931
Feitelson-Shur, D., 3199
Feiveson, P., 1472
Feldman, A. B., 802, 2294, 2515, 4059
Feldman, D. A., 3017
Feldman, H., 582, 6423
Feldman, J. B., 5440
Feldman, M. J., 3569, 7518
Feldman, R. S., 5601
Feldman, S. S., 4563, 8694, 8914
Feldman, Y., 2924
Feldmann, H., 2900
Feldmesser, R. A., 2516
Felix, R. H., 2564
Felton, J. S., 6615
Fenchel, G. H., 4126
Fenichel, O., 5123, 6093
Fensterheim, H., 681
Ferenczi, S., 5150, 6094(b)
Ferguson, C. E., 6649
Ferguson, E. D., 1539
Ferguson, G. A., 5282
Ferguson, I. D., 6756
Ferguson, J. L., 9052(a)
Ferguson, T. G., 3537
Ferm, V., 3631
Fernandes, B., 881
Fernández, C., 2144
Fernández, G. R. C., 1314
Fernandez, L. S., 4879(a)
Fernberger, S. W., 1923, 1924

Ferracuti, F., 3073
Ferraro, C. D., 3462
Ferreira, A. J. d. L., 5803
Ferrer, S., 1219
Ferrio, C., 1138
Ferris, C., 8806
Ferris, R. C., 8239
Ferster, C. B., 1824, 2212
Fervers, J., 4564
Feshbach, S., 853
Fessard, A., 304
Fessenden, B. L., 4940(a)
Fessenden, S., 5804(b)
Festinger, L., 3042, 7336
Fettweis, E., 5124
Feudell, P., 6005
Feuer, L. A., 46
Feuer, S. G., 6447
Feuerlein, W., 6426
Fichter, J. H., 5850
Fiedler, F. E., 1003, 4127, 4128, 4170
Field, Mark G., 1676, 3074
Field, Minna, 3074
Field, T. P., 2442
Fields, C. J., 8976(a)
Fields, H., 4903
Fields, P. E., 89, 5602
Fields, S. J., 6024
Fieldsteel, N. D., 1845
Fiers-Monnier, H. K., 5142
Figueras, A., 3076
Fillenz, M., 6902(a)
Finch, D. M., 3399, 6683
Finch, F. H., 8305
Finchem, E. F., 6974
Findlay, D. C., 3463
Findley, W. G., 3286
Fine, H. G., 9011(a)
Fine, R., 2678
Finesinger, J. E., 8910
Fingerman, M., 8361
Fingert, H. H., 7419
Fink, J. B., 461, 6881(a)
Fink, Martin, 3307
Fink, Max, 1377, 3034, 2992
Fink, W. H., 5430
Finkel, M., 8916(b)
Finkelman, I., 3710
Finkelstein, Z., 2993
Finkle, J. R., 3710
Finley, K. H., 7114
Finn, M. H. P., 7218(a)
Finney, B. C., 4677
Fischer, E. S., 7920
Fischer, L. K., 5727
Fischer, M. H., 8417(b)
Fischer, P. H., 4129
Fischer, R., 4643
Fischer-Hoppenworth, G., 1386
Fisher, B., 4824(a), 6491
Fisher, B. R., 8268
Fisher, C., 1004, 7115
Fisher, H., 6095
Fisher, K. A., 1005, 3662
Fisher, L. A., 1176
Fisher, M. B., 4130(a)
Fisher, M. L., 1217
Fisher, R. A., 1856
Fisher, R. L., 3725
Fisher, S., 3725
Fishman, J. A., 4825, 7399(a), 7944
Fishman, S., 1473
Fisichelli, V. R., 933, 8395
Fisk, G. W., 421, 2025, 5411
Fiske, C. E., Jr., 1709(t)
Fiske, D. W., 942, 5221
Fitts, P. M., 419, 2175, 6676, 6677, 6678, 7097, 7449, 9103
Fitzgerald, B. J., 7544
Fitzpatrick, E. D., 4948
Fitzpatrick, R., 3430
Fitzpatrick, T. F., 3287(a), 4941(a)
Fitzwater, M. E., 4036(a)
Fjeld, S. P., 4644
Flamant, F., 5415
Flament, J., 903, 4744
Flanagan, J. C., 3288, 5001, 9078
Flanders, N. A., 1825
Flanders, S. E., 396
Flax, N., 362
Flebbe, D. R., 3384
Fleck, H., 3289
Fleck, S., 397, 2994
Fleischer, E., 8043
Fleischer, M. S., 2034(a)
Fleishman, E. A., 1635, 2026, 2161, 2162, 3163, 3324, 3349, 3376, 5002, 5509, 5510, 6933, 6934, 7144, 7520
Fleishman, M., 1710(t)
Fleming, C., 7318
Fleming, G. W. T. H., 6181
Fleming, J., 1947, 3663
Fleming, R. S., 8018
Flescher, J., 4645, 7583
Fleskens, A. R. M., 1218
Fletcher, H., 843
Fletcher, J. L., 2113, 8418
Fletcher, R., 7081
Fletcher, W. W., 8470
Flew, A. G. N., 6
Flew, Antony, 5125
Fliess, R., 1006, 2247, 6096, 7584, 7720
Flood, H. A., 7971
Flood, M. M., 1866(a)
Florita, G., 6297
Flottorp, G., 381
Flournoy, H., 2901, 6237
Flowerman, S. H., 4826
Floyd, W., 7946
Floyd, W. F., 5511
Flugel, J. S., 3510
Flum, Y., 2630
Flyer, E. S., 5805
Flynn, F., Jr., 4616
Flynn, F. T., 4621
Flynn, J. T., 3100
Foa, U. G., 5851
Fogel, D., 8621
Fogelson, H., 1711(t)
Folger, J., 5915
Folley, J. D., Jr., 5066
Folsom, J. K., 4220
Folsom, W. W., 4827
Foltin, E. M., 4646
Fontaine, A. B., 5182, 5195
Fontes, B., 7635
Fonzi, A., 810
Foote, F. M., 6975
Foote, N. H., 3904, 7337
Foote, R. J., 6787
Foote, R. M., 2955
Forbes, A., 8412
Forbes, F. W., 3290
Forbes, T. W., 1651, 8237
Ford, A., 5335
Ford, C. S., 682
Ford, C. T., 8977
Ford, F. R., 1225
Ford, J. B., 844, 8682
Ford Foundation. Behavioral Sciences Division, 1911
Forde, D., 5890
Fordham, F., 5151
Fordham, M., 4310
Fordyce, W. E., 4352(a)
Foreman, P. B., 2402
Forer, B. R., 2631, 4498
Forgays, D. G., 1474, 8689
Forgy, E. W., 7636
Forlano, G., 8531
Form, A. L., 4017, 6567
Form, W. H., 774
Forman, F., 7665
Forrer, G. R., 8792
Forres, H., 2319
Forssman, H., 2902
Forster, F. M., 3706, 6427
Fortanier, A. H., 4430, 6097, 6396
Fortes, M., 4193
Forteza, M., 6025
Fortier, C., 1963
Fortier, R. H., 7521
Forwald, H., 5512
Foshay, A. W., 1508
Foshee, J. G., 523
Fossett, R. E., 8142
Foster, C. J., 5728
Foster, D., 8005
Foster, D. B., 4745
Foster, E. B., 5389
Foster, H. W., 3941(a)
Foster, J., 2089
Foster, N., 7273
Fotiu, P. G., 1547
Foulds, G., 943
Foulkes, S. H., 2721
Fouracre, M., 6549
Fowler, E. P., 1387
Fox, D., 693
Fox, G., 2070
Fox, H. G., 874
Fox, H. M., 5336
Fox, J., 3909
Fox, M. G., 8471
Fox, V., 6298
Fox, W. H., 5852
Fox, W. W., 3664
Fraiberg, S., 7637
Fraisse, P., 237, 5259, 6863, 8207, 8208, 8397, 8483, 8569
Frampton, M. E., 6550
Francastel, P., 583, 584
Francès, R., 305
Franchini, A., 202
Franchini, C., 2632
Francis, E. K., 8657
François, C., 7721
Frandsen, A. N., 1560
Franghiadi, G. J., 564
Frank, E. A., 3400
Frank, G. H., 4474, 4647, 7585
Frank, Jerome D., 1007, 2722, 2756, 7586
Frank, John A., 2723
Frank, L. K., 451, 4077
Frank, M., 7631
Frank, R. L., 6182
Frankel, E. B., 8500(a)
Frankenstein, C., 3333
Frankl, V. E., 1008, 4565
Franks, T. W., 5024
Franzblau, A. N., 1475
Fraser, D. A. S., 124, 3570
Fraser, D. C., 339, 8320
Fraser, C. E., 881
Frauchiger, E., 2811
France, H. E., 1315
Frederiksen, N., 3571
Frederking, W., 6098
Freed, E., 7966
Freed, H., 1344, 5980
Freedman, 7634
Freedman, L. Z., 2839
Freedman, M., 4715
Freedman, N., 910
Freedman, R., 2460, 3542
Freeman, F. S., 8280
Freeman, H., 3000
Freeman, H. E., 803
Freeman, J. G., 7824
Freeman, L., 2565
Freeman, M. J., 2903, 5307
Freeman, R. V., 2724
Freeman, R. W., 6544(b)
Freeman, T., 4648, 7420
Freeman, W., 1009, 1010, 1108, 2725(a), 2726(a), 4649, 6099, 6428, 6448, 7587
Freeman, W. F., 1561
Freidson, E., 4078, 4265
Freiman, I. S., 6843
French, A. C., 2859
French, Edward L., 6492
French, Elizabeth G., 944
French, J. D., 1980, 1981
French, J. R. P., Jr., 3542
French, J. W., 5217, 5670, 7116, 7338, 8150
French, R. L., 6640
French, R. S., 482, 2071, 2213, 3772, 5431, 8398, 8399
French, S. H., Jr., 9094
French, T. M., 47, 5671
Frenkel-Brunswik, E., 8290
Freud, A., 5729, 7274
Freud, E. D., 4608
Freud, S., 3632, 6275, 7846, 8328
Freund, H., 7766
Frey, T. S., 2902, 8793
Frick, F. C., 455, 483
Fried, E., 7588
Fried, J., 4194
Fried, M. H., 5878
Friede, E., 3396
Friedel, B., 5361
Friedemann, A., 7522
Friedenberg, E. Z., 6532
Friedlander, K., 4492
Friedman, A. P., 3075
Friedman, G., 4992, 5016, 5017
Friedman, H., 2995, 4650
Friedman, J. J., 5693
Friedman, L., 1712(t)
Friedman, L. J., 6183
Friedman, Maurice H., 5218
Friedman, Merton, 5513, 7145
Friedman, N., 6634(a)
Friedman, Norman, 4008
Friedman, P., 750
Friedman, S., 1242
Friedman, S. W., 7812
Friedmann, A., 811
Fries, M. E., 7275
Frijda, N. H., 7117
Fringa, H., 398, 3867, 3868
Fringa, M., 398, 3867
Frisby, C. B., 6679
Frith, J. R., 8978
Froe, O. D., 9024
Froehlich, C. P., 1112, 5126
Froeschels, E., 399
Frohoff, W., 7613
From, F., 3511
Frondizi, R., 552
Froomkin, J., 2517
Frosch, J., 8321, 8345, 8346
Frost, L. L., 3031, 8612(a)
Fruchter, B., 3572, 8313
Fruktov, A. L., 2169
Frumkes, G., 3049
Frumkin, R. M., 725, 6844, 7662, 7663, 7664
Fry, F. D., 945, 946, 8719(a)
Fry, F. J., 204
Fry, G. A., 340, 2072, 2073, 5426, 5432
Fry, W. F., Jr., 6348
Fryer, D. H., 5872(b)
Fryer, H. C., 6788
Fuchs-Kamp, A., 1284, 2968, 4622
Fuerstenthal, A. H., 6630
Fuldner, R. V., 3116
Fullager, E. A., 3990
Fuller, D. S., 7814, 7900
Fuller, J. L., 2164, 8472
Fuller, N., 7119
Fulton, J. F., 1982, 6903
Funk, H. V., 3284
Funkenstein, D. H., 1011, 2996, 6862(a), 7831
Furchtgott, E., 484
Furley, P. H., 683
Furrer, W., 7523
Furtado, D., 1677
Fuster, B., 8934
Futterman, S., 4566

Gabe, S., 8292
Gabriele, A. B., 4104(a)
Gadel, M. S., 5025
Gadourek, I., 7421
Gaeth, J. H., 3839
Gage, N. L., 1012, 2597, 4131, 5806
Gagné, R. M., 5603, 6238
Galer, E. L., 125, 571, 4964, 5640, 6789, 7146
Gakkel, L. B., 8613, 8813
Galambos, R., 382(a), 1983, 1984, 2007, 5492, 7065
Galanter, E. H., 956, 6976(a)
Galdston, I., 4431, 6238
Galifret, Y., 341
Galifret-Granjon, N., 1476, 8587
Galioni, E. F., 1316
Gallagher, C. D., 2321
Gallagher, J. Roswell, 2321
Gallagher, James J., 4353, 6100, 7589
Gallagher, O. R., 2518
Gallagher, R. J., 2320
Gallagher, T. J., 5515
Gallot, C., 3665
Galloway, D. W., 1576, 1674
Galton, F., 5127
Galvin, J. A., 1145
Ganguly, M., 7240
Gannon, T. J., 6735
Gantt, W. H., 2812, 3050, 5348, 6942
Ganz, M., 5730
Garaudy, R., 5152
Garber, R. S., 6375
Garcia-Badaracco, J., 3131
Gardiner, C. S., 9117
Gardiner, M. M., 1139
Gardner, B. B., 1620
Gardner, C. E., 982
Gardner, E. D., 5358, 8386
Gardner, E. F., 1562, 3151, 3573
Gardner, George E., 612, 1101, 1948, 4289, 6239
Gardner, Godfrey, 2403
Gardner, L., 1564
Gardner, R. W., 5641
Gareili, C. M., 3397
Garland, H., 2860
Garlington, W. K., 3942(a)
Garma, A., 1388, 3076
Garmendia de Otaola, A., 6026
Garner, A. M., 8703
Garner, L. L., 6419
Garner, W. R., 7050, 7051
Garrett, A., 7481
Garrett, H. L., 7951
Garrett, W. O., 8230
Garrison, I. K., 1181, 3354
Garrity, M., 751
Garry, R., 1621, 3271
Garst, J. B., 2966
Gärtner, H., 1652
Garvey, W. D., 845, 8686
Garwood V. P., 7767(a)
Gaskill, P., 4903(a)

Gasson, J. A., 8273
Gastaldi, G., 1359
Gastaut, H., 1219, 4746
Gates, A. I., 3200
Gauchet, F., 8720
Gauger, A. B., 4537
Gault, R. H., 6299
Gavini, H., 947, 8209, 8269
Gavrin, J. R., 6349
Gaw, E. A., 1317
Gawel, M. L., 1168
Geary, R. C., 126
Gebel, A. S., 925
Gebhard, J. W., 342
Gebhard, P. H., 5526
Gedda, E., 2784
Geisler, E., 2904, 3117, 4567
Geist, H., 3118
Geldard, F. A., 5056
Geldreich, E. W., 3680
Gelink, M., 1844, 3339
Geller, J. J., 7590
Geller, M., 8814(a)
Gellhorn, E., 1975, 2214, 2813, 4693, 6904, 8377
Gellman, W., 1113
Generales, C. D. J., 6312
Gengerelli, J. A., 1867
Genn, M. M., 8593
Gentry, G., 3543, 7161
George, A. L., 838
George, C. E., 948
George, F. H., 3512, 3513, 3726, 5433, 5596, 8420
Gerard, D. L., 452, 7670, 8835
Gerard, H. B., 2404
Gerard, M. W., 6397
Gerard, R. W., 365, 1799
Gerathewohl, S. J., 330, 2074, 3401, 3402, 3773, 8240, 8241, 8421
Gerber, F., 1285, 1286
Gerberich, J. R., 3291, 8078
Gerbert, K., 7784
Geréb, G., 4566
Gerjuoy, H. G., 8521(a)
Gerjuoy, I. R., 8522(a)
Gerken, C. d'A., 6493, 6599, 9074
Germain, J., 203
Germak, E. G., 8017
Gerrard, J. W., 4532
Gerson, E., 6065
Gerson, W., 2192
Gerstle, M. L., 6415
Gerstman, L. J., 5949
Gerstner, H. B., 3703
Gerth, H., 684, 7339
Gerty, F. J., 6193
Gesell, R., 286(a)
Getz, S. B., 3253
Getzels, J. W., 4360
Gewirtz, J. L., 90
Geyer, H. C., 4060
Geyer, M. A., 6568
Ghiselli, E. E., 1617, 1622, 3341
Ghisoni, T., 1359
Ghosh, S. P., 8143
Gibb, C. A., 5807
Gibb, E. G., 3201
Gibb, J. R., 4899
Gibbins, R. J., 8836
Gibbs, C. B., 8242
Gibbs, F. A., 1405, 3006
Gibbs, H. G., 613
Gibbs, J., 706
Gibby, R. G., 949, 6027, 6101, 7524
Gibson, D., 6028, 7691
Gibson, E. J., 343, 5390, 6935
Gibson, H. W., 5434, 6977(a)
Gibson, J. J., 6936
Gibson, R., 2861
Gibson, R. L., 6038
Gibson, W. A., 1868, 1869
Gideonse, H. D., 4828
Giedt, F. H., 6113
Gifford, S., 5336
Gilberg, R., 1569
Gilberstadt, H., 2633(a)
Gilbert, L., 4942
Gilbert, Raymond R., 1713(t)
Gilbert, Ruth, 2596
Gilchrist, J. C., 8489
Gilder, R., Jr., 7932, 8593
Giles, H. H., 8650
Gilgash, C. A., 1188
Gilkinson, H., 5950
Gill, M., 8747
Gille, L., 4820
Gillie, A., 1045
Gillies, D. V., 7972
Gilliland, A. R., 1509, 3350
Gillin, J. L., 2960
Gillis, A., 4569
Gillman, A. E., 6276(a)
Gilman, L., 933
Gilmore, J. L., 7147(a)
Gilray, H., 553
Ginsberg, A., 8291
Ginsborg, B. L., 2066
Ginsburg, S. W., 4221, 4513, 6616, 7651
Ginzberg, E., 3174, 3325, 6616
Ginzberg, R., 4651, 5768
Girden, E., 200
Girodano, A., 1287
Gist, N. P., 8667
Githler, F. J., 377
Gittler, J. B., 5808(b)
Givens, P. R., 3234, 8837(a)
Gjerde, C. M., 3314
Gjesvik, A., 6932
Glad, D. D., 8738(a), 8749(a), 8763(a)
Gladstone, R., 238
Gladwin, T., 4195, 8668
Glanzer, M., 3943, 3944
Glaser, E. M., 7148(a)
Glaser, G. H., 4652, 6124
Glaser, N. M., 7540
Glasner, P. J., 2956
Glasner, S., 2165
Glasner, Sylvia, 2785
Glass, A. J., 6184, 8749
Glatzer, H. T., 1013
Glauber, H. M., 6277
Glauber, I. P., 1266, 1267, 5088
Gleason, W. J., 8935(a)
Glees, M., 6978
Glees, P., 8372
Gleicher, D. B., 7443
Gleitman, H., 7149
Gleser, G., 1255, 3366, 4400, 5215, 6801
Glick, S. J., 3119, 3120, 3121, 6429, 7778
Glickman, E., 5731
Glock, C. Y., 846
Glock, M. D., 4862
Glorig, A., 5480, 7065
Glover, E., 91, 2786, 2787, 7785, 7786
Glover, K., 2586
Glowatsky, E., 7921
Gluckman, R. M., 2567
Glueck, B. C., Jr., 8867
Glueck, S., 1288
Glynn, A., 6350
Gobetz, W., 4354
Gochman, S. I., 7901
Godfrey, E. F., 4747
Godtfredsen, E., 7867
Goedicke, V., 127
Goertzel, V., 4432(a)
Goguelin, P., 2166, 6635, 8720, 8721, 9079, 9107
Goheen, H. W., 1863
Golan, D. L., 3431
Goldberg, E. M., 4311, 5741
Goldberg, H. D., 1685
Goldberg, I. A., 6720(t)
Goldberg, J. A., 8283
Goldberg, M., 4372
Goldberg, N., 8346
Goldberg, T. B., 6378
Gol'dburt, S. N., 1925
Golden, D., 3464(t)
Golden, M. M., 4433
Goldenberg, H., 1714(t)
Goldenberg, S., 8936(a)
Golder, G., 4200
Goldfarb, A. I., 2361
Goldfarb, W., 4434
Goldhamer, H., 2997
Goldman, A. E., 5391
Goldman, H. D., 7973
Goldman, M., 6226
Goldman, R., 6569
Goldman, S., 6790
Goldschmidt, W., 4132
Goldsen, R. K., 4803
Goldstein, A. G., 7036
Goldstein, F., 5105(t)
Goldstein, Irving M., 5106(t)
Goldstein, Irwin, 4813
Goldstein, M., 3403, 4196(a)
Goldstein, N., 6721(t)
Goldwater, L. J., 2357
Golightly, C. L., 3905
Golikov, N. V., 1925
Göllnitz, G., 4748
Golub, A., 1870
Golub, A. J., 7768(a)
Gomberg, M. R., 4222
Gomes-Penna, A., 5153(b), 5154(b)
Gómez-Ferrer, P., 5283
Gomirato, G., 195
Gomulicki, B. R., 2215
Gonick, M. R., 3147
Goodacre, D. M., III, 5026
Gooddy, W., 6937
Goodell, H., 6938
Goodman, L. A., 685, 686, 2405(a), 3574
Goodman, M., 4713, 4716
Goodman, P., 7340
Goodman, R. W., 3945
Goodrich, D. W., 6351
Goodrich, T. A., 1540
Goodson, F., 1715(t), 3946
Goodspeed, H. C., 7276
Goodstein, L. D., 2406, 8722
Gooliker, P., 5337
Göppert, Hans, 1360
Gordon, R. L., 535
Gordon, D. A., 2123
Gordon, E. M., 2671
Gordon, H. C., 3255
Gordon, H. L., 6006
Gordon, I. J., 8061
Gordon, J. G., 5558
Gordon, L. V., 4037, 4355(a), 4356
Gordon, M. A., 3875, 6636, 6637, 6791
Gordon, N. S., 6417
Gordon-Russell, J., 2988
Gore, B., 3256
Gorer, G., 8277
Gorham, D. R., 6102, 6352
Gorham, W. A., 3465(t)
Gorman, W. M., 2407
Gornall, A. G., 1318
Gorrell, R. B., 6979(a)
Gorton, B. E., 2762
Gosnell, H. F., 2519
Goss, A. E., 7150
Gosselin, R., 1926
Gotham, B. L., 3466(t)
Gottesfeld, B. H., 4592
Gottlieb, J. S., 4680
Gottlieb, J. W., 7734
Gottschalk, L. A., 4749
Gottsdanker, R. M., 7082
Gottsegen, G. B., 7974
Gottsegen, M. G., 7974
Gough, H. G., 1563, 4357
Gould, J., 400
Goulliart, M., 3774
Gourlay, N., 1871
Govaerts, A., 3704
Gowan, J. C., 8019
Gozzano, M., 3666(a)
Grab, E. L., 6792
Graber, G. H., 804, 5514, 6845
Graber, H. E., 1220
Grace, H. A., 7219
Graeber, I. A., 7945
Graeber, M. P., 7591
Grage, H., 1319, 6103
Grahain, B. F., 1985
Graham, C. H., 2061
Graham, D., 5834, 6793, 8077
Graham, D. T., 7875(b)
Graham, E. E., 6449, 8979(a)
Graham, T. F., 2323
Graham, V. T., 6239
Granger, G. W., 554
Granick, S., 950
Granit, R., 6980
Granston, A. S., 514
Granström, K. O., 3775
Grant, D. A., 6745, 7151, 7170, 8482
Grant, M. Q., 5734
Grant, V. W., 1221, 7722
Grapko, M. F., 7277
Grassi, J. R., 105, 7638
Grauer, D., 2998
Gravatt, A. E., 2362
Gray, J. S., 92, 2475, 6668
Gray, W. S., 1477, 7975
Graybiel, A., 331, 2022, 2075, 2142, 3393, 6981
Great Britain, National Illumination Committee, 6680
Greaves, J. R., 7922
Grebenkina, M. A., 8515
Green, B. F., Jr., 1572, 3576(a), 6794
Green, C. W., 6494
Green, E. H., 93
Green, E. J., 1716(t), 2216
Green, J. C., 6722(t)
Green, Jack, 2727
Green, James W., 2461
Green, John D., 266, 6915, 8378
Green, John H., 1508
Green, John R., 1405
Green, M. A., 2383
Green, M. C., 8047(a)
Green, Ralph S., 2726
Green, Russell, F., 2248, 8461, 8462
Green, S. L., 2788
Green, T. L., 8658
Greenacre, P., 5155, 7723
Greenawalt, J. C., 6831
Greenbaum, H., 7724
Greenbaum, J. J., 3441, 6709
Greenberg, A., 5853
Greenberg, A. L., 8651(a)
Greenberg, B., 514
Greenberg, L. A., 3869
Greenblatt, E. L., 6533
Greenblatt, M., 291, 1011, 4656, 6360, 7631
Greenbloom, G. C., 2359
Greene, G. W., Jr., 1401
Greene, H. A., 3291, 8078
Greene, Janet S., 910
Greene, Joel E., 5604
Greene, John T., 3699, 3700
Greene, L. B., 6121
Greenfield, N. S., 5107(t)
Greenhill, L. P., 6508
Greenhouse, H. R., 8838
Greenhut, A., 5435
Greenland, C., 4387
Greenleaf, F. I., 847
Greenleigh, L. F., 8614
Greenson, R. R., 6240
Greenstein, L., 3122
Greenwood, J. A., 130
Greer, F. L., 677, 687
Greer, I. M., 2905, 7739
Greer, S., 5027
Gregerman, R. I., 346
Gregg, A., 5089
Gregg, H. C., 6417
Grégoire, F., 8271
Gregory, R. L., 1826, 2076, 5156
Gregory, W. E., 1541, 2634
Greia, J. J., 9075
Grether, W. F., 6702
Grey, L., 805
Grice, G. R., 3947
Griffin, D. R., 401, 3836, 8473
Griffith, C. R., 3175
Griffiths, W. J., Jr., 402, 5515
Grim, P. R., 3308
Grime, G., 6681
Grimes, L. I., 5750
Grinberg, L., 1320, 1361
Grindley, G. C., 8422
Gringa, W. W., 239
Grinker, R. R., 1140, 4038, 6398, 7220, 8494
Grinstein, A., 4061, 4133
Gronlund, N. E., 4961, 6534(b)
Gropper, G. L., 2283
Grosch, H. R. J., 1872
Gross, E., 5028
Gross, F., 5816, 5854
Gross, M. M., 6602
Gross, N., 728, 2408, 4134, 4171, 5916
Gross, Z., 1717(t), 6190
Grossack, M., 688, 726
Grosslight, J. H., 485, 5605
Grossman, C., 6905(a)
Grossman, E. E., 9419
Grossman, M., 3153
Grossman, S. A., 7221(a)
Groth, L. B., 883
Grotjahn, M., 4514, 6104, 7592, 8292
Gruen, W., 2269, 7212
Gruenberger, F., 3607, 8314
Gruhle, H. W., 7118
Grummon, D. L., 5981
Grunberger, B., 7849
Grundy, P. M., 128
Grunebaum, H. U., 4637
Grunewald, M., 565
Grunt, J. A., 403
Guedry, F. E., Jr., 306, 2077, 2145, 2146, 3837, 3948, 5392
Guelzo, C. M., 6603
Guernier, E., 5879
Guertin, W. H., 7525, 7787, 7815
Guetzkow, H., 5809
Guex, G., 2409
Gugenheim, C., 5336, 6170, 8474, 8784, 9080
Gügler, A., 614
Gui, W. A., 586
Guida, A., 1359, 3575
Guilford, J. P., 129, 2248, 4009, 4358, 5653, 7194, 9061
Guillaume, P., 3906

Guillemain, B., 5694
Guillemin, R., 1963
Guillemin, V., Jr., 307, 1964
Guion, R. M., 3377
Guiraud, P., 1222
Guilford, R., 6504
Gulliksen, H., 6664, 7152
Gully, R. J., 2862
Gumbel, E. J., 130
Gummersbach, H., 6241(b)
Gump, P. V., 5917
Gumpert, M., 661
Gunderson, Ellsworth K., 1718(t)
Gunderson, Eric K., 2648
Gundlach, R. H., 8280
Guntrip, H., 2729
Gupta, S. P., 7868
Gurdjian, E. S., 7896
Gurevich, K. M., 8400
Gurin, M. G., 4079(a)
Gurselin, C., 7518
Gurtovoi, G. K., 2078
Gurvitz, M. S., 6033
Gusdorf, G., 7241
Gusel'nikov, V. I., 5516
Gustad, J. W., 4290
Gustafson, L. M., 6506, 8523(a)
Gustin, J. C., 1927
Guth, S. K., 2079
Gutheil, E. A., 933, 7593
Guthrie, E. R., 4962, 1585, 6604
Guthrie, G. M., 1542
Guthrie, M. R., 9071(a)
Guttentag, O. E., 102
Guttmacher, M. S., 1223, 6300
Guttman, Louis, 1873, 3577, 3578, 6795
Guttman, Ludwig, 1415
Guttman, N., 7153
Guttman, O., 2906
Guy, M., 1232
Guyot, D., 3166
Guze, H., 404, 2167, 3077, 7083
Guze, S. B., 2814, 8702
Gyr, J. W., 7195(a)

Haase, R. H., 3440
Habbe, S., 6113, 8210
Haberich, F. J., 8417(b)
Haberlandt, W. F., 4714
Häberlin, A., 4080
Hache, J., 7
Hackett, C. G., 3272
Hackl, K., 1665, 8839
Hackman, R. C., 6858
Hadden, S. B., 1014, 7594
Haddock, J., 4400
Haeuptner, G., 2295
Hafeez, M. A., 8020
Hafez, M., 8401
Haffa, R. P., 4135
Häfner, H., 6105
Hagbarth, K. E., 8362
Hagen, E., 2027
Haggard, E. A., 645, 4025
Haggerty, A. D., 2802, 7816
Hägi, H., 2324
Hagin, W. V., 6672
Hagins, W. A., 8423
Hahn, C. P., 4966, 9108
Hahn, M. E., 9074
Haines, H. L., 7052
Hairabedian, A., 3881
Haisch, E., 7242
Hake, H. W., 453
Hakkarainen, M., 6056
Halberg, F., 2862
Haldane, J. B. S., 3891
Hale, K., 3890
Hale, P. P., 884
Haley, K. D. C., 6871
Halfond, M. M., 7769(a)
Hall, A. L., 8415, 8416
Hall, C. S., 536, 7196
Hall, E. C., 3273
Hall, Elvajean, 6155
Hall, H. E., Jr., 7326
Hall, J. F., 510, 5817, 5605
Hall, K. R. L., 2080, 5393, 8794
Hall, Manford A., 4544
Hall, Mary, 5680
Hall, R. A., 6883
Hall, R. L., 8622(a)
Hall, S. B., 4435
Hall, W. A., 7795
Halle, M., 4261
Haller, A. O., 8032
Hallett, S. J., 5394
Halley, R. J., 5498, 5518
Halliday, A. M., 5506
Hallowitz, D., 615
Hallowitz, E., 6140
Hallpike, C. S., 2081
Hallworth, H. J., 616
Halmos, P., 1015
Halmosh, A.-F., 3690
Halperin, M., 3579
Halpern, F., 2635
Halpern, L., 344
Halpin, A. W., 8211
Halsey, A. H., 1564
Halsey, G. D., 3326, 3327
Halsey, R. M., 6723(t), 8424
Halstead, W. C., 267(a)
Hamburg, B., 1389
Hamburg, D. A., 1389, 7096
Hamburger, W. W., 4712
Hamdi, F. A., 6906(a)
Hamid ud-Din, M., 5029(a)
Hamilton, C. E., 3949
Hamilton, D. M., 4436, 7617
Hamilton, R. C. S., 6495(a)
Hamlett, I. C., 8612
Hamlin, H., 8882
Hammel, A., 3078
Hammer, E. F., 4359, 4437, 4570, 5880, 6029, 8650
Hammes, J. A., 8524(a)
Hammond, K. R., 1070, 2568
Hampel, R., 4654
Hampshire, A., 7595
Hampson, J. L., 263
Hampton, P. J., 4571
Hamwi, V., 2695, 3043
Hamza, M., 1289, 6301
Handlon, J. H., Jr., 5108(t), 5633
Handyside, J. D., 1636, 8212
Hanes, B., 2364
Hanes, R. M., 3391
Hanfmann, E., 4360, 7216
Hanford, J., 2598
Hanford, P. V., 5517
Hankes, E. J., 6796
Hanks, L. M., Jr., 689
Hanley, C., 4090
Hanley, C. N., 7450(a)
Hanley, T. D., 5684, 5970
Hanna, E. E., 6570
Hanna, J. V., 2569
Hansel, C. E. M., 2082, 2118
Hanselmann, H., 3257
Hansen, M. H., 4172, 5855, 5856
Hanson, R. C., 462
Hantel, E., 173
Hanvik, L. J., 4361
Harary, F., 7379
Harcum, E. R., 5606
Harding, D. W., 5810
Harding, J., 690, 727
Hardy, A. W., 2570
Hardy, J. D., 6938
Hardy, W. G., 4750
Hardyck, C., 5644
Hare, A. P., 2410
Hare, E. H., 1224
Hargrove, E. A., 1225
Harkavy-Katz, S., 1182
Harker, G. S., 2047
Harlo, M., 6086
Harley, M. B., 5519(a)
Harlow, H. F., 395, 1986, 2217(a), 3950, 5574, 5607
Harman, H. H., 6797
Harman, P. J., 236
Harmon, L. R., 2636(a)
Harms, E., 617, 618, 6156
Harnack, R. V., 7341
Harper, B. P., 6797
Harper, E. O., 1141
Harper, M. C., 1543
Harper, Robert S., 345
Harper, Roland, 3413(a)
Harriman, A. E., 3727
Harrington, D. G., 2083
Harrington, R. E., 6982
Harris, Albert J., 4829, 4830, 6682
Harris, Audley C., 6346
Harris, C., 5184
Harris, Chester W., 121, 3580
Harris, Cyril M., 4266, 4267
Harris, D. B., 8599
Harris, F. E., 9040
Harris, I. D., 5732
Harris, J. B., 7850
Harris, J. D., 2135, 2136, 5482, 7052, 7053, 7054, 7055, 8455
Harris, M., 779
Harris, N. J., 2571(a)
Harris, R. E., 4715
Harris, S., 405
Harris, T., 7860
Harrison, E. C., 4499, 6535
Harrison, R., 4077
Harrison, S. I., 1262(a)
Harrow, G., 4653
Hart, C. W., 7337
Hart, D. S., 406
Hart, H. H., 2411, 6342
Hart, W. A., 4066
Hartline, H. K., 3004(a)
Hartman, C. G., 407
Hartman, R. S., 691
Hartman, V. A., 8980(a)
Hartmann, H., 5157, 6846, 7818
Hartmann, O. J., 885
Hartmann, W., 4168, 4170
Hartmann, W. E., 8602
Hartung, F. E., 5918
Harvey, J., 2206
Harvey, O. J., 4136, 6544(b)
Harvey, W. A., 980, 7869
Harwood, K. A., 7445
Harwood, T. H., 8379
Haselkorn, H., 4572(a)
Hashimoto, H., 5343
Haskell, G., 4694
Haskett, H. B., 4061(a)
Hasler, A. D., 3870
Hasler, S. G., 6691
Haslerud, G. M., 3951, 7154
Hastman, R., 3467(t)
Hastorf, A. H., 5571, 7342
Hathaway, S. R., 1290, 2970
Hatt, P. K., 752, 4230
Hattwick, R. G., 3776(a), 8425
Haun, P., 2815
Haun, R. W., 6555
Hauser, I., 619, 1016
Hauser, M. R., 4538
Hauty, G. T., 486, 2137, 2177, 2178, 3952, 3953, 6983, 8475
Havens, J., 7725
Haverland, L. E. H., 8525(a)
Havighurst, R. J., 645, 662, 2377, 4616, 5769, 5770
Havron, M. D., 1678
Haward, L. R. C., 7726(a)
Hawkins, M. O., 7596
Hawkins, W. C., 925
Haworth, L., 5657
Hay, E. N., 3351, 5831, 9095
Hay, L., 6551
Hayakawa, S. I., 5881
Hayden, J. J., 6555
Hayden, V. D., 6571
Hayes, C., 487, 488, 5395
Hayes, E., 4952
Hayes, J. R., 5561
Hayes, K. J., 487, 488, 3954, 3955, 5395, 5608
Hayes, M. L., 2476, 4798
Hayes, S. M. L., 4438
Hays, R., 6967
Haythorn, W., 2412
Hayward, H., 6239
Hazeltine, B. P., 5030
Head, S. W., 4268(a)
Healy, I., 1679
Healy, M. J. R., 6798
Hearn, A. C., 9053
Hearn, G., 6106
Hearnshaw, L. S., 7197
Heath, R. G., 6124
Heath, S. R., Jr., 2863(a), 6210
Heath, W., 6683
Heathcote, A. W., 8299
Heathers, L. B., 961, 1570
Heatley, J., 7923
Hebb, D. O., 3514, 5158
Heberle, F. T., 9118
Hecaen, H., 7914
Hecht, K., 5202
Heck, A. O., 3358
Hecker, A. O., 1954
Hecker, S. E., 6467
Hector, H., 4312
Hedenberg, S., 6884
Hederra D., A., 1238
Hedlund, J. L., 8549(a)
Heese, G., 7765
Heffernan, H., 3235
Hegg, J. O., 1478
Heidgerken, L., 1680
Heidrich, R., 4654
Heil, W. G., 4943
Heilbrunn, G., 3249
Heiman, M., 2572
Heimann, P., 1142
Heimann, R. A., 965
Heimpel, E., 2477
Heine, R. W., 1017
Heineman, C. E., 7526
Heinicke, C. M., 692, 1719(t), 2273
Heinstein, M., 2778
Heintz, R. K., 6858
Heise, G. A., 383
Heiser, K. F., 8815
Heisler, V., 2620
Helfant, K., 1952, 5936
Hellebrandt, F. A., 2218
Heller, M., 4623, 4904
Heller, P., 587
Hellersberg, E., 4077
Helliwell, S., 4831(a)
Hellman, L. I., 8880
Hellpach, W., 806, 2413
Helme, W. H., 6339
Helmendach, R. H., 1959
Helmstadter, G. C., 3581
Helper, M. M., 6171
Helson, H., 2274
Helwig, P., 1362
Hemmendinger, L., 4082
Hempel, W. E., Jr., 7144
Hemphill, R. E., 2907
Hemsing, W., 5919(b)
Henderson, C. R., 1874
Henderson, J. L., 6468
Henderson, N. B., 1720(t)
Henderson, Ralph M., 3328
Henderson, Robert L., 8526(a)
Hendley, C. D., 6907
Hendrickson, W. J., 7495
Hendrix, O. R., 1479
Heneman, H. G., Jr., 5031
Henkes, H. E., 6984
Henle, M., 3871
Henneman, E., 280
Henneman, R. H., 848
Henry, C. E., 1340
Henry, F. M., 308
Henry, Jesse D., 3236(a)
Henry, Jules, 2414, 5865
Henry, W. E., 1949
Henshaw, P. S., 1965
Henze, R., 7084
Herbert, E. L., 2415
Herbst, P. G., 2462
Herma, J. L., 4513, 6616
Herman, George, 7056(a)
Herman, Georgianna, 4989
Hernández, C., 6652
Herndon, C. N., 8556
Heron, A., 2637(a), 6684
Heron, William T., 1018, 2762
Heron, Woodburn, 8555
Herr, V. V., 3051, 8273
Herrera, L. F., 4249
Herrick, V. E., 8981
Herroid, K. F., 693
Hersey, R., 9072
Hersh, C. M., 1603
Herskovits, M. J., 807
Herstein, I. N., 1875
Hertz, H., 6638
Hertzka, A. F., 3596, 5228, 9081
Hertzler, J. O., 5951
Hertzman, M., 8566
Herzberg, F., 2027, 7597, 8114
Herzog, E., 907
Herzog, H., 849
Hesnard, A., 1792
Hess, E. H., 408
Hess, J., 2245
Hess, R., Jr., 268
Heston, J. C., 4944
Hetzler, S. A., 5920
Heun, E., 1019
Heuse, G. A., 5811
Hewitt, D., 1637
Heyer, G. R., 4010
Heymann, K., 2325
Heyns, R. W., 3542, 5308
Hick, W. E., 8363
Hickethier, A., 2085
Hickey, A. E., Jr., 6724(t)
Hiernaux, J., 8660(b)
Higgins, G. C., 6985
Higgins, J., 1400, 2906
Higham, E. M., 1721(t)
Highberger, R. L., 7278(a)
Highland, R. W., 1501, 3536
Hilden, A. H., 2887
Hildenbrand, G. C., 7319
Hildreth, C., 2463
Hildreth, G., 3202, 3203, 6496
Hileman, D. G., 850
Hiler, E. W., 6101
Hilgard, E. R., 8, 7155
Hilgard, J. R., 1226
Hill, A. S., 6552(b)
Hill, B., 1291
Hill, C. W., 8939
Hill, D., 1143
Hill, F. T., 7924
Hill, H. E., 4573
Hill, I. R., 1183, 7692
Hill, J. M. M., 3329, 6653
Hill, M., 7343

Hill, R., 797
Hill, R. J., 5185
Hilliard, J., 2966
Hillman, B., 480
Hillman, C. H., 7422
Hillmann, B., 5062
Hiltner, S., 1020, 2520, 7482, 7727
Himmelweit, H. T., 2326(a), 5672
Himwich, H. E., 263, 6804
Hinckley, R. G., 4918
Hind, J. E., 6908, 7057
Hinde, R. A., 409, 3872, 5520
Hindman, B. M., 7400
Hinkelman, E. A., 2971
Hinrichs, G., 1928
Hinsie, L. E., 1906
Hirsch, E. A., 8702
Hirsch, M. J., 3777
Hirsch, R. S., 1480, 9115
Hirschberg, J. C., 6553, 7814
Hirschfeld, G., 8840
Hirsh, I. J., 2132, 7058
Hitchcock, W. L., 4919
Hites, R. W., 8663(a)
Hoagland, H., 2999, 3000, 6353(a)
Hoakley, Z. P., 9012
Hoard, C. M., 9025(a)
Hobaugh, T. R., 6480
Hobbs, A. H., 3416, 7728
Hobbs, G. E., 8900
Hobson, H. E., 1481, 1653
Hobson, R. F., 6354
Hoch, P. H., 48, 906, 1021, 1144, 2816, 6185(a), 7665
Hochbaum, G. M., 7344(a)
Hochberg, C. B., 3778
Hochberg, J. E., 3778, 6986
Hochheimer, W., 1022, 5695, 5812
Hodes, R., 1987, 6907
Hodges, H. M., Jr , 1510
Hodges, J. L., Jr., 1858
Hoeflin, R. M., 8588(a)
Hoehn, A. J., 4963
Hoel, P. G., 8315
Hoelen, E., 1227, 2909
Hoenig, J., 4660
Hoerres, M. A., 8079
Hoff, E. C., 2910
Hoff, H. E., 7850
Hoffman, E. L., 6987
Hoffman, H. N., 8550(a)
Hoffman, Martin L., 2275
Hoffman, Mary, 1390
Hoffman, R. L., 1722(t)
Hoffmann, P., 410
Hoffmeyer, H., 8476
Hofstaetter, P. R., 5858, 6107, 9052
Hofstetter, H. W., 3779, 8426
Hogan, Ralph M., 5090
Hogan, Richard A., 886
Hogg, B. M., 6211
Hoheisel, H. P., 3123
Hohman, L. B., 7841
Höhn, E. O., 5521
Hoijer, H., 2387
Holbrook, S. F., 7279(a)
Holcomb, W. L., 6469
Holder, R., 7857
Holland, G. A., 490, 2638, 3956, 6865
Holland, J. L., 6172
Hollander, E. P., 3388, 3404, 3405, 3406, 4384, 8108, 8623, 9062
Hollender, M. H., 1145, 2365
Hollingshead, A. B., 1146, 2839, 7819
Hollinshead, M. T., 8044
Hollis, A. F., 4880(a)
Hollis, N. S., 5309(a)
Holloway, H. D., 7527(a)
Holloway, R. S., 4039(a)
Holm, E., 3780
Holman, P., 6157
Holmberg, G., 8380, 8750
Holmes, D. C., 4291(a)
Holmes, E. H., 6239
Holmes, J. A., 3204, 8982
Holmes, O., 836
Holmes, T. H., 7308
Holmgren, B., 5359
Holsopple, J. Q., 1026
Holt, H. O., 3466(t)
Holt R. R., 3678, 7533
Holtzman, W. H., 932, 4399
Holzberg, J. D., 2599, 2606, 2817, 3001, 3042
Holzman, P. S., 6988
Homans, H. W., 7085
Homme, A. S., 7156(a)
Homme, L. E., 7157(a)
Honigmann, J. J., 2818, 7401
Hood, J. D., 2081
Hope, J., 3000, 6271(a)
Hopkins, B., 4655, 4671
Hopkins, G. W., 6920
Hopkins, J. W., 2028
Hopkins, M., Jr., 3781
Hoppe, D. A., 5859
Hopper, R. D., 5816
Hopple, L. M., 8695
Hoppock, R., 1535
Hora, T., 4574, 4575
Horan, J. S., 6399
Hörmann, H., 7528
Hormuth, R. P., 2881, 8816
Horn, A., 4943
Horner, J. E., 7693
Hornstra, L., 3065
Horowitz, M. W., 694
Horrocks, J. E., 6536
Horsey, W. J., 3705
Horst, P., 3582, 5219, 5666, 6799
Horton, R. E., 1511, 8021, 8589
Horwitz, M., 5860, 7345
Hosley, E., 9057
Hospers, J., 3489
Hotyat, F., 620
Hough, J. N., 5240
Hoult, T. F., 5813
Houlton, A. C. L., 3547
House, B. J., 8501(a)
Houseworth, J. H., 4707
Houwink, R. H., 4402
Hovel, R. K., 1804
Hoven, H., 6108, 6243
Hovey, H. B , 2639, 4362
Hovland C. I., 94, 491, 498, 537, 732, 2542, 5952
Howard, I. P., 6757
Howard, J. H., 8661
Howard, J. W., 1848
Howarth, E., 5522, 7086
Howell, Maxwell L., 411
Howell, Miriam, 8981
Howell, Wallace J., 4832
Howell, William S., 837
Howells, W. W., 240
Howes, D., 8402
Howland, D., 7158
Howland, J. S., 7159(a)
Hoyle J. S., 1184
Hoyt, C. J., 3308
Hoyt, G. C., 5771
Hozay, J., 2036
Hsü, E. H., 1605, 3583, 5921
Hsu, F. L. K., 555
Hubbard, A. W., 9102
Hubbard, John P., 1555
Hubbard, Joshua C., 7423
Hubbard, R., 346, 347, 5982, 6102
Hudgins C. V., 4783, 7770
Hudson, R. A., 2464
Huebschmann, H., 1321
Huertas, J., 3706
Huessy, H. R., 8695
Hugenholtz, P. T., 4066
Hughell, W., 1544
Hughes, A. L., 3730
Hughes, J. B., II, 5944
Hughes, J. R., 1984
Hughes, Joseph, 1023, 1147, 8266
Hughes, V. H., 8497
Hulbert, S. F., 3440
Hulett, J. E., Jr., 695
Hull, P., 5032
Hulse, W. C., 1024, 7598
Hulsman, H. L., 6498
Humm, J. H., 255
Humphrey, B. M., 7820
Humphrey, C. E., 95, 96
Humphrey, G., 4011, 5310
Humphreys, E. J , 4539(a)
Hungerland, H., 2297
Hunt, A. B., 3126
Hunt, E. B., 909, 7666
Hunt, Ernest L., 3854
Hunt, Everett, 3274
Hunt, H. F., 241, 5523, 5596, 5609
Hunt, J. M., 1049, 2576
Hunt, J. T., 3205
Hunt, R. W. G., 2086, 8427
Hunt, S. F., 4715
Hunt, W. A., 909, 7666
Hunter, H. N., 8228
Hunter, I. M. L., 2219, 3957, 5436(a), 5610
Hunter, R. A., 591, 2730, 4584
Hunter, W. S., 469, 6847
Hunter, W. W., 5765
Hurder, W. P., 242
Hurley, J. R., 8527(a)
Hurlock, E. B., 5303, 5704
Hurst, F. M , 4845, 8534
Hurst, P. M., Jr., 5437
Hurvich, L. M., 2087, 2089, 6999, 8428
Hurwitz, H. M. B., 1827, 5524(a)
Hurwitz, J. I., 7346(a)
Hurwitz, W. N., 4172, 5855, 5856
Husband, R. W., 3433
Husni, M., 6062
Husson, R., 7059
Hustinx, A., 1025
Huston, P. E., 204, 7809
Huszák, I., 7838
Hutchinson, G. E., 1799
Hutchinson, H. W., 779
Hutchinson, R. C., 6884
Huth, A., 6030
Hutt, M. L., 1950
Hutte, H. A., 2417
Hutton, K., 2276
Hwang, T. F., 8415, 8416
Hyde, J., 6904
Hyde, Reed W., 2540
Hyde, Robert W., 4656, 5091, 7821(a), 8346
Hyman, H., 4173, 8669
Hyman, M., 5109(t)
Hyman, R., 412, 453, 1723(t)
Hymes, J. L., Jr., 4799
Hyrenius, H., 3584
Hyroop, M. H., 7851

Iacono, G., 1359
Iakovlev, N. N., 8329
Iams, R. W., 1724(t)
Ibérico, M., 1789
Iflund, B., 5110(t)
Igersheimer, W. W., 8795
Ignotus, (Pastor), 4751
Ikeda, H., 5438
Ikegami, K., 5733
Ilan, A., 3052
Illig, H., 8429(b)
Imber, B. M., 9109
Imier, R., 3709(a)
Impastato, D. J., 7615, 8742, 8751
Inbau, F. D., 5186
India. Ministry of Defense, Psychological Research Wing, 7822
Infield, H. F., 4223
Ingham, H. V., 7599
Ingham, J. G., 3053(a)
Ingle, G. W., 2088
Ingmire, A. E., 1681
Ingram, C. P., 8554
Ingram, V., 8822
Ingram, W., 8723
Inkeles, A., 851
Inomata, S., 348
International Psycho-Analytical Association, 160
International Symposium on Anthropology, New York, (1952), 2418
Iribarren, L., 8243
Irvin, C. E., 7451(a)
Irvine, D., 97, 6202
Irvine, R. P., 7155, 7823
Irwin, F. W., 2193
Irwin, L. A., 5063
Irwin, J. V., 2541
Irwin, O. C., 2334
Isakower, O., 8551
Iscoe, I., 3352, 4292, 8726(a)
Isham, C., 174
Ishida, H., 7729
Isihara, I., 5611
Ismael de Oliveira, W., 4695
Israel, M., 3667
Israeli, N., 2168
Ittelson, W. H., 349, 3784
Ivanov-Smolenskiĭ, A. G., 269, 8293
Iversen, T., 1228
Iverson, M. A., 2194(a)
Iverson, N. E., 7452(a)
Ives, V., 5734
Iwata, K., 3804
Iwawaki, S., 350
Izard, C. E., 2702, 4384, 8151, 8724
Izikowitz, S., 8841

Jaap, R. G., 4747
Jackman, A. L, 1041
Jackson, C. V., 3838, 7087
Jackson, Jay, M., 2419 4137(a)
Jackson, Joan K., 4576, 7730
Jackson, Joseph, 6470, 6499, 6572
Jackson, K., 8917
Jackson, L., 7731
Jackson, R. A., 1876(a)
Jackson, W., 5953
Jaco, E. G., 5922
Jacob, W., 6109
Jacobi, J., 621, 5159
Jacobowsky, B., 8885
Jacobs, R., 1580, 8080
Jacobson, A., 2945
Jacobson, Alan, 4987
Jacobson, A. H., 4224(a)
Jacobson, E., 5679
Jacoby, A., 7483
Jacono, G., 934
Jaeger, W., 6990
Jaffe, A. J., 2517
Jaffe, N. S., 3782
Jaffe, R., 6954
Jäger, O., 1229
Jahoda, G., 3237
Jahoda, M., 852, 4293, 7213
Jakobson, R., 4261
Jalota, S., 7529
James, H., 3958
James, J., 5814
James, W. S., 6031
James, W. T., 98, 413, 2220, 5525
Jameson, D., 2087, 2089, 8428
Jameson, F., 5954
Jampolsky, M., 237, 492
Janes H. P., 3206
Janis, I. L., 853, 5953, 7453, 7458
Janowitz, M., 2388
Jansen, J., Jr. 5360
Jansen, L. T., 808
Janvier, C., 6158
Janz, D., 4752
Jaques, E., 2420
Jaria, A., 1322
Jarrett, R. F., 854
Jarvie, H. F., 1230 8937
Jarvik, M. E., 5612
Jarvis, J. A., 8061(a)
Jaspen, N., 7953, 7954
Jasper, H., 270(a), 3708
Jassogne, M. E., 4500, 5057
Jastak, J., 7530
Jaur, J. M., 951, 4113
Jay, E. S., 106
Jeffers, F. C., 1951
Jeffers, J. R., 8748(a)
Jefferson, G., 1988
Jeffrey, W. E., 3959
Jellinek, A., 4313
Jellinek, E. M., 1907
Jenkins, G. G., 7280
Jenkins, Richard L., 1026, 2800, 2741, 4087, 6119
Jenkins, Russell L., 6500
Jenkins, W. L., 1623
Jenks, E. M., 7976(a)
Jenks, W. F., 6555
Jennings, E. E., 3330, 3378, 3379, 5033, 8213
Jennings, H. H., 6669(b), 7347
Jensen, B. T., 7977, 8347(a)
Jensen, E., 8886
Jensen, K., 622
Jenson, R. E., 4833
Jerger, J. F., 8456
Jerison, H. J., 384(a)
Jernberg, P., 241, 5609
Jernelius, B., 1278
Jersild, A. T., 1952, 8590
Jervis, G. A., 1185, 1186, 2964, 6211
Jessen, G. N., 373
Jewett, G. M., 1725(t)
Jex, F. B., 1565
Jielof, R., 2065
Jiménez-Hernández, A., 6501 7978
Jnr, L., 7925
Johnson, A. Pemberton, 1566
Johnson, Adelaide M., 2731, 4439, 6244, 7600, 7640
Johnson, Alvin, 809
Johnson, B. C. 4085
Johnson, C. S., 1148
Johnson, Davis G., 4501
Johnson, Dean, 1027
Johnson, Donald A., 1989(a)
Johnson, Donald M., 4834
Johnson, E. P., 8115
Johnson, E. Z., 1187, 2865, 4363
Johnson, G. B., Jr., 6537, 9041
Johnson, Harriet C., 1437
Johnson, Herbert C., 8381
Johnson, R. O., 7060(a)
Johnson, Loag W., 1482
Johnson, Louise S., 2282
Johnson, N. L., 5220, 8310
Johnson, Palmer O., 6463
Johnson, Paul E., 2521, 5128(b), 5983
Johnson, R. H., 8365
Johnson, V., 623
Johnson, W., 7454

Johnson, W. H., 102
Johnson, Woodbury, 1877, 2104, 3343, 3431, 3564
Johnston, P. W., 8817
Johnston, R. P., 7154
Jolles, I., 2640, 2641
Joly, M., 4820
Jonassen, C. T., 6706
Jones, B. E., 7181
Jones, D., 99
Jones, D. C., 414, 8477
Jones, Earl L., 2221, 3960
Jones, Edward E., 1726(t)
Jones, Edward R., 1662
Jones, Edward S., 6589
Jones, Ernest, 3633, 4577
Jones, F. N., 309, 2029
Jones, G. L., 7667
Jones, H. Gwynné, 4753
Jones, Harold E., 609
Jones, Howard L., 131, 8063
Jones, L. V., 5221, 8725
Jones, Margaret H., 2029, 3440
Jones, Marshall B., 1727(t), 8560
Jones, Maxwell, 4409
Jones, R. S., 7983, 9042(a)
Jones, S., 3292, 4964
Jones, W. P., Jr., 8528(a)
Jones, W. R., 4835
Jonitis, P. P., 2421(a)
Joos, M., 3833
Jordan, E. T., 6450(a)
Jordan, N., 2422
Jordan, P. H., 8822
Jordan, W. K., 3124
Jorgensen, A. N., 3291, 8078
Jorswieck, E., 6502
Josephy, H., 3125(a)
Josselyn, I. M., 624, 4225
Josselyn, P. D., 1649, 5061
Jourard, S. M., 3907(a), 5683, 7222, 8796
Joyce, J., 2736
Joyce, J. N., 7544
Judy, C. J., 8654
Juel-Nielsen, N., 3079
Jung, C. G., 1793, 1811, 5160, 8752
Júnior Quintanilha, R., 1292
Junken, E. M., 4063(a)
Junker, H., 8430(b)
Juola, A. E., 6503
Jurgensen, C. E., 1624
Jussawala, K. N. K., 3154
Justman, J., 1528, 1567
Juul, K. D., 9054(a)

Kaada, B. R., 1990, 5360, 5380, 6436
Kadis, A. L., 910
Kaess, W. A., 8348
Kafka, G., 2478
Kagami, T., 8938
Kagan, J., 2154(a), 3873
Kahane, M., 4143
Kahl, J. A., 4881
Kahn, A. J., 6302
Kahn, D., 2789
Kahn, E., 6186
Kahn, J. P., 2790
Kahn, M. W., 8572, 8753(a)
Kahn, R. L., 1431, 3145, 3542, 4719, 7774, 8834
Kahn, S. J., 586
Kahn, T. C., 107, 4965
Kaiser, L., 7243
Kalbaath, E. P., 7761
Kâlé, S. V., 3207
Kalendarov, G. S., 2732, 6110
Kalinowsky, L. B., 1026, 1991
Kalish, H. I., 8529
Kalkman, M. E., 1682
Kalis, M. P., 3407
Kallejian, V. J., 1726(t), 9096
Kallen, H. M., 484
Kallmann, F. J., 1149, 5984, 6187, 7668
Kalmus, H., 4369
Kamala, M. N., 5956
Kamat, V. V., 3406
Kamin, L. J., 2233
Kaminkow, H. B., 2972
Kaminsky, J., 5187
Kamiya, J., 301
Kamm, A., 7484
Kamm, B. A., 4012
Kamm, R. B., 6886
Kammann, G. R., 7824
Kamp, L. N. J., 7825
Kampa, E. M., 2090
Kandler, H. M., 5081
Kane, E. D., 2866
Kane, W. H., 49
Kanfer, F. H., 7160(a)
Kanizsa, G., 7531
Kanner, L., 625, 1150, 6212(b), 7639
Kanter, D. L., 9004(a)
Kantner, J. F., 4226(a)
Kantor, J. R., 5188
Kantor, R. E., 3002
Kanzer, M., 2298, 4013, 8570
Kao, R. C. W., 3585
Kapat, G., 6032(b)
Kaplan, B., 7346(a)
Kaplan, E., 4870
Kaplan, J., 4544, 5772
Kaplan, O. J., 663
Kaplan, L. K., 2791
Kaplan, M. L., 7518
Kaplan, S., 6239
Kaplan, S. J., 3543, 7161, 8300
Kaplansky, E., 6111
Kapos, A., 4862(a)
Kapos, E., 8534
Kappauf, W. E., 5058
Karamian, A. I., 3707
Kardiner, A., 1363
Karli, P., 6991, 7162
Karlin, I. W., 6278
Karlin, L., 4364, 5439
Karmanova, I. G., 8514
Karnosh, L. J., 2819
Karp, W., 2801
Karpe, R., 4454
Karpf, F. B., 175
Karpman, B., 1293, 3003, 3054, 4696, 6303, 6304, 7788
Karsh, B., 5034
Karush, A., 1391, 6400
Kasatkin, N. I., 2030, 8591
Kashu, K., 5611
Kas'yanov, V. M., 2169
Kasman, S., 2573
Kasowski, S., 2551
Kasser, M. D., 5440
Katan, M., 1323
Kates, S. L., 556, 1231
Katona, G., 3542, 4227, 8083, 8653
Kattsoff, L. O., 3515
Katz, B., 2574, 5735
Katz, Daniel, 810, 3542, 7232
Katz, David, 3544, 5129, 6736, 8737
Katz, L., 1878, 1879, 4174
Katz, M. M., 7826
Katz, Robert L., 2575
Katz, Rosa, 2642
Katz, W. D., 4578(a)
Katzell, R. A., 8110
Katzoff, A., 7455
Kaufman, H. F., 728
Kaufman, I., 6239
Kaufman, I. C., 7891(a)
Kaufman, M. R., 50, 2820, 6112
Kaufman, R. S., 3874
Kaufman, W., 7870
Kaufmann, E., 8043
Kaufmann, H. J., 855
Kavalgikar, R. R., 6451
Kavazanjian, T., 6033
Kavruck, S., 7926
Kawamura, F., 8393
Kawamura, H., 375
Kaye, D., 4363
Kazan, A. T., 887
Kearney, N. C., 3176
Keehn, J. D., 952, 4366, 7532, 8726
Keen, J., 3586
Keenan, J., 3938, 7140
Keesing, F. M., 7402, 7403
Kegeles, S. S., 4656
Keilhacker, M., 7281
Keilson, I., 5356
Keiser, S., 7732
Keislar, E. R., 953, 6538, 9026
Keiter, F., 5161
Keith, H. M., 3126
Keith-Lucas, A., 2327, 8776
Keller, A., 6991, 7162
Keller, F. S., 478, 3961, 4002
Keller, J. E., 8818
Keller, M., 1907, 1908
Kelley, C., 9055(a)
Kelley, D. J., 7979
Kelley, D. M., 7789
Kellmer Pringle, M. L., 6504
Kellner, H., 1606
Kellogg, W. N., 385, 493, 2170, 5477
Kells, C. A., 3718
Kelly, A., 8983(a)
Kelly, E. L., 6639, 8144
Kelly, E. W., 9056(a)
Kelly, H. H., 5952
Kelly, J. C., 856
Kelly, M., 3127
Kelman, H. C., 2195, 2542, 2733, 2734
Kelman, H. R., 6213
Kelman, N., 176
Kelner, L., 2328
Kelsey, D. E. R., 538
Kelsey, P. A., 7061
Kemeny, J. G., 1828
Kempe, I. E., 1729(t)
Kemper, K. A., 2911, 4579
Kemper, W., 6188
Kempf, E. J., 3055
Kempster, S. W., 1336
Kempthorne, O., 1880, 3587
Kendall, J. W., Jr., 495
Kendall, P., 2428
Kendler, H. H., 3962
Kenealy, K. G., 6555
Kennard, M. A., 1151, 2974, 7673
Kennedy, E., 8045
Kennedy, J. L., 8685
Kenny, D. T., 132, 4367, 4580(a)
Kenshalo, D. R., 1829
Kepecs, J. G., 8502
Kephart, N. C., 3208, 5441, 5442, 7946
Kephart, W. M., 7728, 8670
Kerbikov, O. V., 2821
Kerlinger, F. N., 3479
Kern, E., 2091
Kerney, E., 6550
Kerr, W. A., 1666, 3386
Kerschbaum, P., 7902
Kersh, B. Y., 7198
Kerstetter, L. M., 4883(a)
Kesert, B. H., 3710
Kesner, L. S., 7601
Kessel, F. K., 1324
Kessen, W., 494
Kessler, H. H., 3155
Kessler, Jane W., 6159, 9057
Kessler, John J., 5882
Kessler, R. E., 8952(a)
Kessler, S., 1730(t), 7733(a)
Kestenberg, E., 4445
Kestenberg, J. S., 2277
Kester, D. G., 1272
Kew, C. E., 7802
Keys, A., 3330
Khan, E., 4905
Khan, H. I. A., 6590(b)
Khilov, K. L., 386
Khozak, L. E., 8382
Khvoles, G. IA., 3732
Kidd, A. M., 102
Kidd, J. W., 6539
Kielhols, A., 177, 178
Kiell, N., 4440
Kiesler, F., 7492
Kihara, T., 358
Kille, E. C., 2867
Killian, L. M., 4197
Killion, M. W., 7790(a)
Kilpatrick, F. P., 3783, 3784
Kimball, B., 3238
Kimball, B. F., 1881
Kimball, L. T., 3963
Kimball, R. C., 3963
Kimble, G. A., 489, 495, 3668, 8962
Kimeldorf, D. J., 414, 8477
Kinberg, O., 6306
King, C. E., 2480, 2522
King, E. P., 3588
King, Estelle, 727
King, Francis W., 7603
King, Frederick M., 3239(a)
King, G. F., 1311
King, G. W., 5222
King, J. E., 3336, 6306
King, P. T., 8856(a)
King, S. H., 1731(t), 6802(a)
Kinget, G. M., 2643
Kinney, E. E., 4884
Kinney, L. B., 8989
Kinney, M. R., 3615
Kinsey, A. C., 5526
Kinsey, J. L., 3353
Kinzer, J. R., 3209
Kinzer, L. G., 3209
Kirby, B. C., 8868(a)
Kirchhof, J. K. J., 6430
Kirchhoff, H., 6505
Kirchner, W. K., 4983
Kirk, J. R., 7456
Kirk, R. B., 3309, 8471(a), 6540
Kirk, S. A., 8046
Kirkner, F. J., 3128, 6113
Kirkpatrick, C., 811
Kirlani, A. K., 1045
Kirman, B. H., 4540, 7686(b)
Kirschbaum, R. M., 642
Kirschbaum, W. R., 7871
Kirschmann, D., 7669
Kirschner, P., 4365
Kiser, C. V., 432, 2529, 4175, 4250, 8671
Kish, G. B., 478
Kish, L., 3542
Kisliakov, V. A., 5613
Kitagawa, E. M., 4240
Kitamura, S., 496
Kitinoja, P., 7927
Kitt, A., 2429
Kitzinger, H., 2744
Kivert, A., 3568
Kivisto, P., 3004, 4319
Kjerland, R. N., 8047(a)
Klapman, J. W., 6114
Klapper, J. T., 852
Klapper, Z. S., 8054
Klare, G. R., 6506
Klatskin, E. H., 2644
Klausner, S. Z., 5815, 6867
Klebanoff, S. G., 915, 6909
Kleemeier, R. W., 5773
Kleffner, F. R., 7282(a)
Klein, Abraham, 4368
Klein, Alan F., 888, 2423
Klein, Armin, 4440
Klein, E., 2278
Klein, G. S., 557, 5587, 6988, 7223
Klein, L. R., 3589
Klein, R., 6431
Klein-Lipshutz, E., 4441
Kleinsorge, H., 4314, 8918
Kleiser, J. R., 6940(a)
Kleist, K., 51
Kleitman, H., 3675
Kleitman, N., 324(a), 3847, 3875
Klemer, R. H., 7349
Klemmer, E. T., 455
Klieger, W. A., 1607
Kligerman, C., 589
Kline, M. V., 415, 887, 1114, 1929, 2171, 2561, 2802, 6401, 7852
Kline, N. S., 243, 1830, 4515, 7670
Klineberg, O., 2329
Kling, A., 290(a), 6919
Klingberg, G., 7283
Klingelhofer, E. L., 8063(a)
Klingensmith, S. W., 4084
Klippert, W. H., 4988
Klopfer, B., 7533
Klopfer, F. D., 100
Klopfer, W. G., 931, 6036, 7533
Klubeck, S., 671
Klubertanz, G. P., 52
Kluckhohn, C., 1152(a)
Kluge, E., 5361
Klüver, H., 8383
Knape, C. S., 889, 4945
Knapp, L. B., 6609
Knapp, P. H., 5478, 7872(a)
Knapp, R. H., 3275, 3441, 6709
Knee, R., 4294
Knehr, C. A., 1232, 3785, 7119, 7827
Kniffin, C. W., 2266
Knight, A. R., 5580
Knight, E. E., 6507
Knight, F. B., 1
Knight, M., 3634
Knight, R. P., 205, 1153, 3005, 6245, 8754
Knight-Jones, E. W., 8527(a)
Knobloch, H., 5736
Knoche, H., 2027
Knoell, D. M., 3310, 5233, 6640
Knoepfel, H.-K., 5311
Knoll, H. A., 1831
Knopf, I. J., 7534
Knöpfelmacher, F., 8478, 8479
Knott, J., 3709(a), 7734
Knower, F. H., 1268
Knowles, E. A. G., 5528
Knowles, M. S., 3259
Knowles, W. B., 6686
Knox, C. W., 9058(a)
Knox, E. F., 6306
Knox, G. W., 3786
Kobayashi, E., 626
Kobler, F. J., 3051, 6355, 8273
Kobrick, J. L., 8530(a)
Koch, E. J., 2034
Koch, H. L., 5737
Kockel, E., 4369
Koehler, R. T., 1029
Koella, W. P., 268, 8377
Koelsche, C. L., 9005(a)

Koenig, F. G., 857
Koenig, S., 2980, 5816
Koersner, P.-E., 3138
Kogan, L. S., 1049, 2576, 8702
Kohler, R., 385
Köhler, W., 12, 179
Kohlhaas, M., 2973
Kohlrausch, A., 6758
Kohlsaat, B., 7840
Kohn, M., 316
Koivisto, W. A., 1638
Kolaja, J., 8625
Kolb, W. L., 5850
Kolb, W. P., 2940
Kolbanowski, W., 5284, 8330
Kolburne, L. L., 4541
Kolle, K., 2735
Kolstoe, O. P., 8046
Konecci, E. B., 3703
Konijn, H. S., 3890
Kono, S., 5897
Konorski, J., 8331, 8531
Koomen, M. J., 3429
Koons, E. O., 7924
Koopman, B. O., 5223, 5234
Kopajtić, N., 3231
Korber, G. W., 2330(a)
Korchin, S. J., 2656
Koren, L., 2736
Korner, H., 7496
Kornetsky, C., 8835
Korngold, M., 1732(t)
Kornhauser, A., 812
Kornitzer, M., 2331
Korotkin, I. I., 5529
Korstvedt, A., 7694
Koshuk, R. P., 4493
Kosman, M. E., 8480(a)
Kossovskaïa, E. B., 2172
Koster, S., 7088
Kostič, S., 6356
Kostick, A., 627
Kostick, M. M., 1568
Kostlan, A., 1733(t)
Kothari, N. J., 7903
Kotkov, B., 1030, 3080, 4713, 4716, 6115
Kotliarevskii, L. I., 8384
Kott, M. G., 2222(a)
Kouwer, B. J., 3516
Kovács, B., 3036
Kovalewski, P. E., 813
Kovenock, E., 4502
Koyanagi, K., 539, 5738
Kozenko, T. M., 1966
Kozlowski, S., 6885
Krabbe, K. H., 271
Kracauer, S., 858
Kraeling, D., 474
Kraemer, D., 2649
Kraepelien, S., 5359
Kraft, M. A., 5035
Kral, V. A., 3129, 3130, 8755
Krall, V., 628
Kramm, E. R., 5483
Krapf, E., 8848, 7735
Krasner, L., 3081
Krasnogorskii, N. I., 8592
Krathwohl, W. C., 3210
Kratz, J. D., 8431
Kraus, B. S., 244
Kraus, G., 7485
Krause, A. H., 6172
Kravkov, S. V., 2078, 5443
Krech, D., 2250
Kresky, B., 2357
Krestovnikov, A. N., 2172
Kretschmer, W., 4442
Kretsinger, E. A., 4270
Kretzschmar, S., Jr., 8432
Krieg, W. J. S., 272
Krieger, H. P., 2051, 3787, 8930
Krieger, M., 5701
Kriekemans, A., 7264
Krim, A., 6007
Kris, E., 859, 5157, 7265
Krischek, J., 1233
Kristofferson, A. B., 3864
Kritzler, H., 3876
Kroeber, A. L., 2418
Kroger, W. S., 2762, 3082, 5489
Kroh, O., 4136
Kroker, K., 6990
Krooth, R. S., 133
Kropp, R. P., 8503(a)
Krown, S., 7706
Krudewig, M., 3156
Krueger, F., 8278
Krug, O., 6239, 6556
Kruglov, L. P., 137, 3211, 5665, 5861
Krugman, H. E., 4228
Krugman, M., 2792, 3177, 6557, 6573
Krus, D. M., 5396
Krush, T. P., 2793
Kruskal, W. H., 1882
Kubala, A. L., 7134
Kubany, A. J., 3591
Kubie, L. S., 273, 1799, 3056, 3517, 3535, 4516, 6124, 6402, 6710, 6711
Kubie, S. H., 2566
Kubis, J. K., 8727
Kuenzli, A. E., 8959(a), 8960(a)
Kugelberg, E., 1960
Kuhlen, R. G., 8702
Kuhlmann, F., 8305
Kuhn, M., 556
Kuhn, R., 3063, 7535
Kulenkampff, C., 4657
Kulick, W., 4020(a)
Kummer, R. M., 1269
Kung, H., 4315
Kunin, T., 3469(t)
Kunnath, J. G., 1666
Kuntz, A., 1092, 5376
Kunz, L., 1448
Kupalov, P. S., 8907
Kupper, W. H., 3616
Küppers, E., 5362
Kuppusamy, B., 7404
Kurath, G. P., 753
Kureth, G., 954
Kurke, M. I., 3982
Kurland, A. A., 1188
Kurland, M., 8504
Kuroda, J., 497
Kurosawa, R., 8938
Kurtz, E. H., 498
Kut, S., 7604
Kutash, S. B., 2678
Kvaraceus, W. C., 6768, 8082
Kvasov, D. G., 2173
Kwalwasser, S., 7609
Kyte, G. C., 4836, 5225

Labriola, J., 3877
Lacan, J., 629
Lacey, O. L., 1883, 7511
Lacock, G., 1534
Lacy, O. W., 310
Ladd, E. E., 9006(a), 9013(a)
Ladimer, I., 664
Lado, R., 8984
Laffal, J., 4412
Lafitte, P., 3545
Lafitte, V., 1154
Lafont, P.-B., 2481
Laforgue, R., 3057, 4443
Lagache, D., 1031, 5162
Laha, S. C., 311
Laine, B., 3668, 6345
Laing, J. K. C., 2868
Laird, A. J., 5580
Laird, D. A., 1667
Laird, E. C., 1667
Lairy-Bounea, G. C., 3131
Lalaian, A. A., 8332
Lamb, H., 4946(a)
Lamb, W. M., 3084
Lambercier, M., 7013
Lambert, E. C., 3964, 5444
Lambert, W. W., 3964, 5444
Lamphere, A. V., 7873(a)
Lampl, H., 5739
Lampl-de Groot, J., 6246
Lance, G. G., 1544
Landau, G., 2366
Landau, J., 2543, 3788, 3789
Landau, W., 2031, 3132, 5363
Lande, B., 5891
Lander, B., 8869
Landis, C., 351(a), 6092
Landis, J. T., 814
Landis, M. G., 814
Landis, P. H., 4096
Landisberg, S., 2845
Landreth, C., 4085
Landsman, T., 2853
Landy, E., 1545
Lane, R. E., 5923
Lane-Petter, W., 5189
Laney, A. R., Jr., 8214
Lang, J. L., 7486
Lang, M. G., 3470(t)
Lang-Brown, H., 1189
Langdon, G., 5607
Langdon, J., 8433
Lange, C. W., Jr., 8434
Langen, D., 6116
Langer, M., 1032, 2483, 4717
Langeveld, M. J., 3705
Langfeld, H. S., 5285
Langfeldt, G., 4517, 7671, 8887, 8888
Langford, W. S., 8593
Langlois, J.-L., 8333
Langner, T. S., 5883
Langworthy, O. R., 1416
Lanham, E., 3409, 8116
Lanigan, B. T., 6555
Lannoy, J. C., 4581
Lansdell, H. C., 5364
Lantis, M., 4229
Lantz, H. R., 2822
Lapaille, A., 8145
Lapina, I. A., 5614
Larcebeau, S., 9083
Larina, N. I., 2032
Larrabee, M. G., 1993
Larrea Peñalva, F., 630
Larsen, C. L., 7350(a)
Larsen, E. F., 3133
Larson, C., 1546
Larson, C. T., 1832
Larsson, L.-E., 8910
Larwood, H. J. C., 6597
Lasko, J. K., 8594
Lassek, A. M., 8385
Lasser, L. M., 2939, 4592
Lasswell, H. D., 696, 860
Lastrucci, C. L., 7972
Laszlo, C., 6034, 6247, 8595
Latham, A. J., 6830
Latham, D. E., 5092(a)
Lathrop, C. W., Jr., 6508
Latif, I., 6617(b)
Latimer, R., 2912
Latzer, P. J., 3410
Lauer, A. R., 3240, 5064, 5213(a), 5230(a), 6687(a)
Lauer, E., 6403
Laufer, L. G., 2483
Laufer, M. L., 6160, 7285
Laughlin, H. P., 8842
Lauru, L., 8344
Lauterbach, C. G., 4582(a)
Lavalli, A., 9014
Law, O. T., 3790(a)
Lawler, A., 1255, 4400
Lawler, S. D., 1189
Lawlor, W. G., 241
Lawrence, B., 8458
Lawrence, D. H., 3923
Lawrence, E. S., 7695
Lawrence, J. F., 4404
Lawrence, M., 7071, 7072
Lawrow, J., 3688
Laws, L. S., 7980(a)
Lawshe, C. H., 3380, 3381
Lawson, R., 1734(t), 7163
Lawton, A. H., 8245
Laycock, S. R., 8047
Layton, W. L., 6712
Lazar, M., 4542
Lazarsfeld, P. F., 861, 2426
Lazarsfeld, S., 1033
Lazarus, R. S., 2033, 2646, 3938, 4340, 5675, 7140
Leach, W. W., 4658(a)
Leal, A., 955
Lean, M., 3728
Learned, J., 6012
Leavitt, H. C., 1234, 4444, 5674
Leavitt, L. A., 4780
Le Beau, J., 1034, 2647
Lebedinskaïa, E. I., 2732
Lebo, D., 631, 2737, 2738, 3546, 4105, 5312
Lebovici, S., 4445, 7605
Le Bras, G., 754
Lechner, R., 5696
Lecomte, J., 32, 862
LeCron, L. M., 2174, 7497
Ledger, E. E., 4837
Ledoux, A., 387
Lee, A. M., 2465
Lee, I. J., 5956
Lee, M. C., 125, 5840, 6789
Lee, S.-C., 4196
Lee, S. G., 6035
Leeds, D. S., 543, 5651, 6488, 7557, 7558
Leeper, R. W., 4040
Lees, J. P., 2332(a)
Lees, R. B., 5957
Lefebre, L., 540
LeFebvre, R., 3415
Lefford, A., 6334
LeHenaff, M., 3717
Lehman, H. C., 306, 4106, 8505
Lehmann, E. L., 134
Lehmann, Heinz, 4370
Lehmann, H. E., 4659, 6357
Lehner, G. F. J., 2574, 2648
Lehrer, L., 180
Lehrman, D. S., 7089
Leiberman, D. M., 4660
Leibowitz, H., 2061, 5445, 6993
Leider, A. R., 7308
Leiderman, G. F., 1735(t)
Leigh, D., 4450, 4718
Leiser, R., 2728
Leitch, M., 5725
LeLand, L. A., 2305
Lele, P. P., 7090
Le Magnen, J., 312
Lemaire, A., 8229
Lemaistre, S., 1843
Leme Lopes, J., 4754
Le Men, J., 3669, 4371
Lemere, F., 2913
Lemert, E. M., 2484, 4809, 7791
Lemkau, P. V., 5985
Lemmertz, J. J., 4446
Lemperiere, T., 4763
Lende, H., 3157
Lende, R. A., 274(a)
Lenihan, E. A., 642
Lenneberg, E. H., 5958
Lennon, R., 3284, 8083
Lennox, W. G., 4755, 6440
Lenski, G. E., 5924
Lensler, A., 8854
Lent, H., 4756
Leonard, J. A., 8532
Lepez, R., 4820
Leplat, J., 8246, 9110
Lepley, W. M., 8746
Lerner, A., 2914, 4583
Lerner, D., 2428, 4271
Lerner, H. H., 2601, 2734
Lerner, S. H., 5740
Lersch, P., 3636, 4041
Leservre, N., 4746
LeShan, L. L., 1654
Leshin, N., 388
Leshner, S. S., 1720(a)
Leslie, G. R., 4139
Leslie, P. H., 3592
Leslie, R. C., 3006
Lester, D., 3869
Leuba, C., 8279
Leuner, H., 1155
Lev, J., 1898
Levbarg, M., 2859
Levedinskaïa, E. I., 6110
Leventhal, E. G., 3260
Leverett, H. M., 8022
Levi, J., 1438, 2649, 6432
Levi-Strauss, C., 755
Levin, M., 2823, 2915, 6036, 6248(a), 7672, 7736(a)
Levin, Meyer, 4062
Levine, B., 8728(a)
Levine, D. L., 5986, 8706(a)
Levine, H. A., 4316(a)
Levine, J., 2616
Levine, L., 5933
Levine, M., 4518, 7874
Levine, Mary, 9014
Levine, Murray, 956
Levine, S., 7696
Levine, Seymour, 3962, 3965
Levinson, B., 3978
Levinson, D. J., 7216
Levinson, H., 2279(a), 2824, 7737
Levit, G., 7327
Levit, M., 5642
Levitt, E. E., 4295, 5675
Levy, D. M., 632
Levy, L. H., 8696
Levy, L. L., 1324
Levy, M., 3816
Levy, N. M., 1736(t), 5632, 5633
Levy, R., 6605(b)
Levy, Ruth J., 4296
Levy, S., 2974, 7673, 7792, 8889
Lewin, B. D., 1364, 2251, 5643
Lewin, H. S., 4086
Lewinger, N., 310
Lewis, A., 1325, 4297
Lewis, D., 2223, 2224, 3966, 5615, 5616
Lewis, D. J., 3975, 4140
Lewis, E. E., 135
Lewis, Eve, 8596
Lewis, H. B., 8566
Lewis, M. L., 6249
Lewis, M. S., 7961
Lewis, N. D. C., 1144, 6188, 7865
Lewis, O., 4199
Lewis, R. T., 8748(a)

Lewis, W. B., 7315
Lewis, W. W., Jr., 7476
Lewit, S., 5899
Lewitow, N. D., 5676
Lewton, E., 6107
Lewy, A., 388
Lewy, E., 7736
Lhamon, W. T., 880, 1393, 7547
Lhéritier, A., 2869
Li, C.-L., 270(a), 3703
Liberman, A. M., 5949
Liberman, D., 1235, 4661
Liberson, W., 1340
Liberson, W. T., 275, 1005, 6911
Libo, L. M., 6654
Lichtenstein, M., 5425
Liddell, D. W., 6433
Liddell, E. G. T., 6912
Liddell, H.S., 53, 3068, 8617
Lide, T., 1393
Lieberman, A. A., 2825
Lieberman, A. L., 7828
Lieberman, D., 7697
Liebermann, L. P., 2916
Liebers, M., 1270
Lifschitz, W., 4638, 6707
Lifson, E. A., 3411
Lifton, R. J., 8799
Lifton, W. M., 890, 911, 9027
Light, B. H., 1050
Lightfoot, C., 3832, 3838, 8456
Lightfoot, W., 1097
Likert, R., 3542, 9073
Lilienthal, D. M., 5034
Lilly, J. C., 276(a)
Lincke, H., 7091
Lincoln, R. S., 2183, 8618
Lindberg, J., 5817
Lindbom, T., 5040
Lindegård, B., 8364
Lindeman, Eduard C., 676
Lindemann, Erich, 7739
Linden, M. E., 1328(a), 2367, 4447
Lindenov, H., 8367
Lindgren, A., 1270
Lindgren, H. C., 9, 1589, 1794, 2850
Lindley, D. V., 5236
Lindner, D., 6916
Lindner, H., 2917, 2975
Lindquist, E. F., 136, 6800
Lindsay, J. S. B., 2739
Lindsay, K. J., 6641
Lindsley, D. B., 1994(a)
Lindvall, C. M., 3281, 3518(a)
Lindzey, G., 54, 4372
Line, W., 5618
Ling, T. M., 891
Lingjaerde, O., 8990
Lingley, L., 4400
Linhart, R. W., 6688
Linn, L., 1995, 3145, 4719, 6250, 866
Linton, H. B., 7536
Lionberger, H. F., 7424
Lipgar, R. M., 4448
Lippitt, R., 3542
Lippman, H. S., 6239
Lips, E., 5774
Lipset, S. M., 2523, 4118
Lipton, E. L., 6750
Lipton, H., 2873
Little, W., 6574
Littman, R. A., 490
Lively, C. E., 4230
Livenfsev, N. M., 6117
Livermore, J. B., 6154
Livingston, K. E., 1327
Livingston, S., 3134
Livingston, W. K., 313
Livingstone, E. C., 6655, 8117, 8215
Livson, N. H., 3791
Lizano Vargas, E., 8997
Llavero, F., 2626
Lloyd, D. P. C., 1998
Lloyd, F., 4906
Lloyd, J. P., 3547
Lloyd, V. V., 6994
Lloyd, W. P., 6575
Lloyd-Jones, E., 9028
Loban, W., 633
Lobashev, M. E., 2225
Lobdell, L. O., 6961
Lock, H. F., 8146
Locke, H. J., 5908
Lockman, R. F., 1884, 9084
Lockwood, W. V., 997
Lockwood, William V., 7320
Lodge, G. T., 957, 3670, 6037, 6038
Loeb, C., 912
Loeb, M. B., 4231
Loeb, Michel, 8347(a)
Loeffler, F. J., 4474
Loehrich, R. R., 2827
Loeser, L. H., 7606
Loevinger, J., 3566, 6801
Loewenberg, R. D., 6312
Loewenfeld, I. E., 2092
Loewenstein, R. M., 5157, 5163
Lofchie, S. H., 7092(a)
Logan, F. A., 7164
Logan, R. L., 6689
Logan, R. F. L., 5741
Logre, J., 1795
Loher, W., 7048
Lolli, G., 2918, 4200
Lombroso, C., 1997
Lomonos, P. I., 3967, 5365
Lönberg-Holm, K., 1832
London, I. D., 3966, 6118
Long, E. H., 4757
Long, Herman H., 756
Long, Howard H., 4141
Long, L. M. K., 539
Longhi, L., 207
Longo, N., 5673
Longstaff, H. P., 1624
Longworth, D. S., 4176
Lonsdale, B., 3235
Lonstein, M., 6051
Loomba, R. M., 1115, 3158
Loomer, G. C., 6509
Loomis, C. P., 5742(b), 8925(b)
Loomis, E. A., Jr., 4449, 6831, 7740
Loomis, G. I., 1525
López-Ibor, J., 1236, 1365, 2740, 6434
Lorand, S., 1796, 3085, 5130
Lord, F. M., 1885, 1886, 5227
Lord, J. P., 6239
Lorenz, Marcella, 2855
Lorenz, Maria, 1328, 3059, 4042
Lorenz, T. H., 7875(b), 8919
Lorenzini, G., 208, 560
Lorge, I., 137, 693, 2382, 2383, 2384, 4026, 5781, 5782, 5783, 5870, 5926, 6802, 7323, 7916, 7962, 8084
Loring, J. C. G., 6995
Lorr, M., 2741, 3828, 4087, 6119
Lostrom, W. D., 1483
Lothridge, C. D., 6996
Lotkin, M., 3593
Lotsof, E. J., 958
Lott, P. D., 9069(a)
Lotz, H. R., 4885(a)
Lotz, J., 7457
Loughery, H., 6555
Lourie, R. S., 7702
Louttit, C. M., 5304
Love, L. R., 1737(t), 7599
Lovett Doust, J. W., 3878(a), 4450, 4718, 6686, 7829
Lowe, R. H., 7093
Lowe, W. F., 5313
Lowe, W. L., 4662
Lowell, E. L., 5581
Lowenberg, M. E., 5743
Lowenfeld, B., 4784
Lowenfeld, M., 2651, 6161
Lowenstein, O., 2092
Lowrey, L. G., 5164, 6312, 6558
Lowy, S., 3096
Laborsky, L., 1096, 4373
Luce, R. D., 2544
Luce, Ralph A., Jr., 3007
Lucena, J., 7830
Lucero, R. J., 2687, 4844, 7824
Lucey, M. A., 4239(a)
Luchins, A. S., 5446, 6039, 6997, 6998, 6999, 7094
Luchins, E. H., 5446, 6039, 6999, 7094
Lucier, O., 3352
Luckey, B. M., 4543
Luckiesh, M., 7983(b)
Ludlow, H. G., 6591
Ludvigh, E., 2093, 3792, 3793, 3800, 6690
Luft, J., 6040, 7674
Lugassy, F., 894, 697
Lukens, F. D. W., 1968
Lumsdaine, A. A., 7458
Lunden, W. A., 7793
Lundgren, N. P. V., 228
Lundin, R. W., 590
Lundin, W. H., 4374
Lunn, V., 8756
Lunzer, F. A., 2333(a)
Lupfer, B., 9085
Lüpfert, E. H., 5131
Luria, Z., 1050, 5339
Lurie, A., 7658
Lurie, L. A., 1293
Lurie, M. L., 4590
Lush, D., 2424(a)
Lustig, P., 2803
Luthe, W., 3548, 3679, 3880
Lutz, J., 1202, 7876
Lutz, L. D., 9007
Lutz, W., 1887
Lyda, W. J., 6472
Lyketsos, G., 3008
Lyle, D. J., 4639
Lyman, C. P., 277
Lynch, T. J., 8009
Lynch, W. W., Jr., 8349
Lynn, D. B., 977
Lyndelle, V., 3261
Lyon, B., 4119
Lyon, Verne W., 1657
Lyon, Virginia, 4451
Lyon, W. H., 1738(t)
Lyons, J. F., 6214
Lyons, John W., 6416
Lyons, Joseph, 7687
Lysgaard, S., 1516

Maag, C. H., 3418, 4995, 8724
Maas, H. S., 2425, 5619(b)
Maatsch, J. L., 3519, 8533
Mabie, E. C., 4272
Mabry, J. E., 6506, 8506(a)
MacAdam, D. L., 2094
McAdam, W., 5341
McAlister, E., 6986
McAllister, D. E., 2223, 2224, 5615, 5616, 7165
McAllister, F. F., 6211
McAllister, W. K., 1797
McAllister, W. R., 3969, 3970
Macalpine, I., 10, 591, 2730, 4584
McArthur, C., 6041
McBain, W. N., 7095
McBride, R., 4544
McCabe, F. J., 3354
McCall, J. N., 6598
MacCalman, D. R., 2577
McCandless, B. R., 635, 8702
McCann, S. M., 6587
McCann, W. H., 4452
MacCara, E., 6042
McCarthy, D., 636
McCarthy, M. V., 4043
McCarty, B., 8757
McCausland, M., 6544(b)
McCausland, A., 3035
McCleary, R. A., 314, 328, 3549, 3691, 5530, 6888, 8365, 8843
McClellan, J. H., 3067
McClelland, D. C., 500, 4375, 5591
McClelland, J. N., 1674
Maccoby, N., 7987
McConnell, F. E., 6589
McConnell, J., 7405, 7513
McConnell, R. A., 5531
McCord, F., 2095, 2096
McCord, J., 7794
McCord, W., 7794
McCorkle, D. B., 6576
McCorkle, L. W., 4624
McCormick, C. G., 4453
McCormick, E. J., 6634(a)
McCormick, K. F., 8707(a)
MacCorquodale, K., 501, 3971
McCoy, G. F., 4785
McCoy, R. E., 6618
McCracken, C. W., 4921(a)
McCracken, J. E., 4947(a)
McCraw, L. W., 1512
McCreary, J. E., 7425
McCue, B. F., 729
McCulloch, T. L., 8819
McCulloch, W. S., 2000
McCullough, M. W., 4636
McCurdy, H. G., 5420
McCurry, W. H., 2334
MacDonald, J. M., 1190
McDonald, J. V., 1998
McDonald, L. R., 5894
McDonald, M. E., 913
MacDougall, U. C., 4840
McDowell, M., 2762
Mace, C. A., 1639, 3520, 5132
Mace, D. R., 4232
McFann, H. H., 5819, 7166
MacFarland, D. C., 1439
McFarland, Robert L., 7795
McFarland, Ross A., 3412
Macfarlane, J. W., 8777
Macfarlane, T. G., 7139(t)
MacGahan, J. A., 3898
McGaughran, L. S., 8552(a)
McGeary, I. D., 3862
McGehee, C. R., 925
McGill, W. J., 1740(t)
MacGillivray, R. C., 1193, 4546, 4547
McGinnis, D. J., 6486
McGinnis, R., 5862, 5939
McGivering, I., 6664
McGlasson, M. A., 9029(a)
McGoldrick, J. R., 2809
McGown, D. R., 500
McGrath, S. D., 8248
Macgregor, F. C., 6403
MacGregor, R., 963
McGuigan, F. J., 5165
McGuire, C., 637
McGurk, F. C. J., 2485, 5884
Machover, K., 2335, 4077, 8566
Machover, S., 7537
McHugh, R. B., 1868
McIntire, J. T., 7698
MacIntosh, A., 3276(a)
McIntyre, A. K., 8375
McIntyre, C. J., 6577, 8684(a)
Mack, M. J., 2368, 2369
McKain, W. C., Jr., 4230
Mackay, R. P., 2228
McKeachie, W., 8350, 8962
McKellar, P., 5133
McKenna, F. S., 6043(a)
McKennell, C., 3413(a)
Mackensen, G., 7928(b)
Mackenzie, G. N., 9080
McKeown, C. E., 2910
Mackie, R. P., 3262
McKiever, B. L., 3884
McKinney, F., 6702
McKinney, F. J. D., 9030(a)
MacKinnon, D. W., 561
Macklin, E. A., 2919
Macklin, M. T., 1417
MacKnight, J. M., 863
MacLachlan, P. S., 8023
McLaughlin, J. T., 3068
McLaughlin, S. C., Jr., 3794, 8301
McLaughlin, T. J., 7351(a)
Maclay, D. T., 6379
MacLean, A. G., 6044
MacLean, I. C., 2870(a)
Maclean, Malcolm S., 892
McLean, Mary C., 3263
MacLean, P. D., 5366, 5375
MacLearie, E. C., 8859
McLeod, Lawrence S., 7486
MacLeod, Leslie D., 245
MacLeod, R. B., 3727, 6649, 8280
Macleod, S., 8463
McMahon, D., 6592, 8147
McMasters, W., 1110
McMullin, M. D., 4786
McMurray, J. G., 8820
McMurry, R. N., 3382
McNamara, W. J., 4841
McNaughton, R., 5582
McNeil, E. B., 2652, 4142(a)
McNeill, D. L. M., 1045
McNeill, W. D. D., 6041
McNemar, Q., 2853
MacNichol, E. F., Jr., 2084(a)
McPartland, T. S. D., 4044(a)
McPherson, A., 3729
McQuary, J. P., 3212, 4955
McQueen, J. D., 5367
McQuitty, L. L., 562, 5640, 6171
MacRae, D., Jr., 7256
McReynolds, J., 7224
McReynolds, P., 4014, 6064
McSwain, E. T., 1452
McTavish, C. L., 8985(a)
McTeer, W., 3908
Macy, J., Jr., 2544
Macy, M. T., 108
Madan, B. K., 757
Madan, S. K., 2660
Maddox, H., 4298
Maddux, J. F., 5988
Madison, P., 1741(t)
Madow, W. G., 5855, 5856
Maeder, A., 1037, 2742, 4966, 5142
Maenchen, A., 7741
Mager, R. F., 3534
Magnet, J. A., 5989
Magoun, H. W., 1980, 1981
Mahan, W. W., Jr., 3471(t)
Maher, B. A., 8939
Mahl, G. F., 1999, 4454, 7742
Mahler, I., 8713
Mahler, M. S., 7743
Mahneke, A., 3753
Maholick, L. T., 4317

Maier, N. R. F., 2426, 6120
Mailloux, N., 563, 8273
Mainer, R. E., 1511
Mainord, F. R., 2654
Mainord, W. A., 1329
Malorov, F. P., 1930
Maize, R. C., 7964
Majumdar, D. N., 758
Makovic, M. V., 8555
Malamud, W., 7872(a), 8691(a)
Maleci, O., 5775
Malinovskii, O. V., 8620
Malitz, S., 7096
Malkenson, L., 8280
Malkin, P. F., 3009
Mallart, J., 1116
Mallet, J., 6850
Mallik, T. B., 7834
Mallinckrodt, E., 3730
Malmo, R. B., 6404
Malone, F. L., 9111
Malone, R. D., 3344, 6498
Malone, T. P., 2774
Maloney, P. W., 841
Malpass, L. F., 7985
Malrieu, P., 638
Maltzman, I., 3909, 3972, 3973
Malzberg, B., 4515, 4519, 4545
Mandelbaum, A., 7614
Mandelbaum, D. G., 4201
Mandell, M. M., 5003
Mandl, A. M., 416
Mandler, G., 2920, 4365
Mangham, C. A., 7308
Mangus, A. R., 1294, 2966, 6307
Manhold, J. H., 3089
Manion, O. G., 4273(a)
Manley, C. R., Jr., 5776
Mann, C. W., 315
Mann, F. C., 2467, 7225(a), 8249
Mann, J., 2743, 6358
Manne, S. H., 8709
Manners, R. A., 4202
Mannheim, K., 5821
Manning, J. A., 7904(a)
Manson, M. P., 6405
Mansuet, F., 6473
Manuel, H. T., 4842
Maradie, L. J., 959
Marcel, G., 11
March, H., 4585, 6308
March, J. G., 8672
Marches, J. R., 815
Marcson, S., 816
Marcuse, F. L., 1237, 6019, 8280
Mardones R., J., 1236
Marfatia, J. C., 2794, 6279
Marg, E., 3795, 7000
Margolin, J. B., 963
Margolin, R. J., 4290, 7572
Margolin, S. G., 1038, 5093(a), 5340, 6406
Margolis, L. H., 6925
Margolskee, M. V., 352
Mariani, A., 4200
Marinus, C. J., 6215
Maritime Psychological Association, 161
Maritz, J. S., 1889
Mark, J. C., 3010
Mark, Y., 1484
Markham, C. H., 4755
Markham, J. W., 3718
Markowe, M., 1606
Marks, E. S., 2466
Marks, J. B., 1742(t)
Marks, Melvin R., 3594, 6045
Marks, Morton, 6121
Marks, R. W., 5314
Marksheffel, N. D., 7986
Markwell, E. D., Jr., 2744
Marlowe, E., 6678, 7097
Marmor, J., 6122, 6380
Márques, M., 7001
Marriott, R., 5863
Marron, J. E., 4015
Marsh, J. T., 1743(t), 2966
Marshall, A. W., 2997
Marshall, C., 3134, 5368
Marshall, D., 4719
Marshall, D. G., 8032
Marshall, F. E., 6445
Marshall, J., 2336
Marshall, M. F. P., 353
Marshall, T. H., 4800
Marston, M. V., 2444
Mårtens, S., 8841
Martensen-Larsen, O., 4586
Martin, A. W., 8939
Martin, C., 6462
Martin, C. E., 5526
Martin, G. J., 8758
Martin, H. T., 6541
Martin, P. A., 2745
Martin, R., 5004
Martin, W. T., 4233
Martin, William E., 639, 2408, 8902
Martinet, A., 5959, 5960
Martinson, F. M., 3673(a)
Martire, J. G., 7226(a)
Marui, K., 8597, 8908
Marx, M. H., 3948
Marzi, A., 1608
Marzolf, S. S., 8702
Mas de Ayala, L., 8799
Mastichev, V. N., 1931
Masland, R. L., 3144
Masley, J. W., 3881
Masling, J. M., 677, 698
Maslow, A. H., 496, 1849
Mason, D. D., 2034
Mason, E. R., 7276
Mason, J. M., 4643
Mason, P., 7744
Mason, W. A., 3974
Mason, W. S., 4171
Massaark, F., 1610, 4143
Masserman, J. H., 1812, 3060, 3521, 6378, 6123, 6190, 6381, 7607, 7675
Massing, P. W., 864
Masson, D. I., 5397
Massucco Costa, A., 893, 960, 1330, 1330, 5447
Master, R., 7547
Masters, W. H., 3084
Masterson, J. F., Jr., 6272(a)
Mastrangelo, G., 1156
Matarazzo, J. D., 2814, 8702
Matchabely, K., 4376
Mathelin-Moreau, S., 1295
Matheney, R. V., 2829
Matheny, W. G., 6691
Mather, K., 3595
Mathers, E. L., 5621
Mathews, D. K., 6592
Mathews, R. W., 1744(t), 5644
Mathews, W. M., 1953
Mathias, C. W., 8351(a), 8352(a)
Mathiasen, G., 4107
Mathieson, C. M., 1193
Mathis, J. K., 2885
Matson, E. L., 4274(a), 7344(a)
Matthews, B. H. C., 6941(a)
Matthews, G. V. T., 417, 5532(a)
Matthews, J., 1271, 9085
Matthews, R. A., 7886
Mattil, E. L., 8598(a)
Maughs, S. B., 6309
Mauk, G., 5038(a)
Mauldin, W. P., 2466
Maurer, D. W., 7745
Mauron, C., 862, 2299, 2300
Maury, M., 2655
Mausner, B., 7352
Mautner, H., 2871
Mayes, P. B., 5990
Maxfield, D. K., 9031, 9032
Maxwell, J., 5885, 6474
May, P. R. A., 2746, 2921
May, R., 1039, 1040, 8697
Mayana, F., Jr., 7982
Mayer, A. J., 1684
Mayer, C. F., 3692
Mayer, K., 4144
Mayer-Gross, W., 5341
Mayer-Gunthof, F., 8216
Mayhew, L. B., 4844
Mayne, R., 302
Mayo, S. C., 2461
Mays, L. L., 1833
Mays, R. J., 4996
Maytner, M. S., Jr., 7186
Maze, J. R., 3982, 5166
Mead, A. R., 8024
Mead, J. L., 8602
Mead, M., 690, 2427, 5864
Meade, L. W., 2996
Meadow, A., 1030, 7831
Meadows, P., 2436
Mech, E. V., 418, 1460, 2196, 3184, 3348, 3398, 3910, 4845, 5622, 6046, 8534
Mecham, M. J., 7906
Mechlow, J., 4563
Medical Arts Publishing Foundation, 7929
Medina, M. M., 8303
Meduna, L. J., 1041, 7853
Meehl, P. E., 501, 3971
Meeland, T., 4341
Meer, B., 7204
Meerloo, J. A. M., 700, 1042, 2370, 3522, 3637, 4063, 5822
Mehlman, B., 1191
Mehta, H. P., 55
Mehus, H., 3213
Meier, P., 1890
Meikle, R. W., 2106
Meili, R., 1932, 7387
Meinertz, J., 56
Meissner, P. B., 8566
Melby, E. O., 3178
Melching, W. H., 1745(t)
Melikian, L. H., 1515, 2494, 7429, 8025
Mellinger, J. C., 5962
Melotti, V., 8232
Melton, R. S., 2602(a), 6803
Meltzoff, J., 2656
Melzer, R., 4638, 8797
Menaker, E., 2922
Menchinskaia, N. A., 8334
Mendel, L., 4601
Mendelsohn, H., 7699
Mendelson, E. S., 5085
Mendenhall, J. H., 4562
Mendieta y Nuñez, L., 3638
Meng, H., 817, 3179, 4108, 4720
Menger, C., 2596
Menger, K., 4027
Mengoli, G., 7321
Menninger, E. A., 6851(b)
Menninger, E. A., Jr., 6852(b)
Menninger, K. A., 6193, 7227
Menninger, W. C., 818, 4300, 5094, 5744(b)
Menninger Foundation, 5260
Mensh, I. N., 209, 4521, 5865, 8343
Menzel, R., 3883
Menzel, Rudolfine, 3883
Menzer, D., 3029
Mercer, J., 1485
Mercer, M., 1954
Meredith, G. P., 6692, 8353
Mereness, D., 2819
Mereuko, R., 8026
Meriet, L., 3671
Merlis, J. K., 1997
Merlis, S., 5369
Merrill, F. E., 2531
Merrill, R. M., 961, 1570, 7746(a)
Merritt, H. H., 276, 1239
Merry, J., 1366, 4409, 4455
Merryman, J. G., 101
Merton, R. K., 2428
Mersbach, A., 1192, 2337
Messe, D., 4088
Messick, S. A., 3719
Mester, L., 2301
Metcalfe, E. V., 8900
Métraux, A., 5586
Métraux, Rhoda, 5864
Metraux, Ruth, 6012
Metsky, M., 7538(a)
Mette, A., 1157, 4089, 5991, 6359
Mettler, F. A., 6124
Metzinger, J., 593
Metzner, H., 2467, 8249
Meucci, M., 8879(b)
Meyer, A., 6425, 7676
Meyer, B. T., 2657
Meyer, D. R., 419, 502, 1967, 2175, 3867, 5563
Meyer, E., 3135
Meyer, Edith, 7930
Meyer, G., 6510
Meyer, H.-H., 1043, 7832
Meyer, J. J., 759
Meyer, L., 6162
Meyer, M. F., 2138, 2139, 5315, 7062
Meyer, M. M., 2631
Meyer, M. S., 2578
Myer, W., 2990
Meyer-Baer, K., 594
Meyer-Mickeleit, R. W., 4758
Meyers, F. S., 1044
Meyers, R., 3709(a), 6280
Meyerson, I., 3639, 3640, 7245
Meyerson, L., 3147, 8048
Mikenikov, A. L., 8920
Micha, R., 4066
Michael, D. N., 2486, 7987
Michael, J. L., 1867
Michael, S. T., 7808
Michael, W. B., 3596, 5228
Michaelis, J. U., 4973, 6057
Michaels, D. D., 354, 2097, 3796, 3797, 3798, 5448, 5449
Michal-Smith, H., 2859, 3136, 8778
Micheloe, L. C., 5777
Michels, W. C., 7002
Michener, C. D., 701
Michigan University. Detroit Area Study, 8674, 8675
Michigan University. Institute for Social Research. Survey Research Center, 8250
Mickle, W. A., 279(a), 6913
Middleton, C. E., 4045
Middleton, J., 2830
Midwestern Psychological Association, 5261
Mihanovich, C. S., 5823
Mihli, B., 2487
Mikell, J. S., 7931
Mikell, R. F., 4767, 6453
Mikesell, W. H., 8696
Mikhailov, V. F., 8327
Mikus, F., 665
Milam, A. T., 8027
Milch, L. J., 3861
Miles, H. J., 9113(a)
Miles, M. B., 6511
Miles, O. K., 2495
Miles, P. W., 3799, 5450, 8251
Miles, R. C., 502
Miles, W. R., 2098, 2099, 2371, 8435
Milholland, H. C., Jr., 7453
Milholland, J. E., 6942(a)
Mill, C. R., 4686, 8038(a)
Millar, W. M., 8354
Miller, A., 1318
Miller, A. D., 8699
Miller, C., 9119
Miller, Daniel R., 2658, 6101, 7524
Miller, Delbert C., 1486, 6619
Miller, D. H., 1331, 3011
Miller, E. G., 5316
Miller, F. W., 3672
Miller, G. A., 5961, 7459
Miller, J. C. P., 5226
Miller, J. D., 395
Miller, James W., 3800, 7003
Miller, Joseph S. A., 7609, 7658
Miller, Lawrence E., 9015
Miller, Lovick C., 1746(t)
Miller, M. L., 4697, 7877
Miller, N. Edd, 7353(a)
Miller, Neal E., 316
Miller, Norma D., 7008
Miller, P. C., 1747(t)
Miller, P. M., 3297
Miller, R. B., 3414, 5066
Miller, Robert, 5342
Millichamp, D. A., 7288, 7289
Mills, B., 3188
Mills, C. W., 684, 4177, 7339
Mills, E. S., 1850, 7539
Mills, J. A., 9061(a)
Mills, T. M., 4145
Milner, B., 6914
Milner, E., 4203
Milnor, J., 1875
Milton, H. H., 1487
Minas, J. S., 5857
Mindess, H., 1748(t), 4377
Minear, V., 6125
Miner, H., 760
Minkowski, S., 7121
Minnaert, M. G. H., 2100
Mintura, A. L., 1749(t)
Mintz, A., 5962, 6853
Mintz, S., 4204
Minz, B., 2000
Miotto, A., 1158
Mira, E., 2227
Mirin, B., 7833(a)
Mirsky, A. F., 420, 8508
Mirsky, I. A., 3523, 5342
Mishler, E. G., 711, 2429
Mistak, H., 564, 5266
Missenard, A., 3415
Mita, T., 3801
Mitchell, A. M. J., 421, 2025, 2035
Mitchell, D. W. A., 7004(b)
Mitchell, H. E., 4318
Mitchell, M. B., 2659
Mitchem, J. C., 8481
Mitra, S. K., 5584(b)
Mitscherlich, A., 457
Mittelmann, B., 5280
Mitten, L. G., 6693
Mittenecker, E., 2660, 7228
Mitton, B. L., 8599
Mitzel, H. E., 3311
Mizuhara, T., 702
Mkele, N., 3335
Moberg, D. O., 2372, 2373, 6310
Mobley, C., 6544(b)
Modell, S., 7096
Moffie, D. J., 5067

Mohr, E., 7878
Mohr, F., 7879
Mohr, G. J., 3673
Mohsin, S. M., 7123
Moïses, P. C., 5068
Moir, J. B., 8852
Moïso, L., 7005
Mola, W. R., 3940
Moldawsky, P. C., 8921(a)
Moldstad, J. A., 8986(a)
Molish, H. B., 4119
Moll, A. E., 2831
Mollenkopf, W. G., 1571
Moller-Racke, I., 7107
Moloney, J. C., 5167, 7408, 7876
Mommaerts, W. F. H. M., 246
Monacheai, E. D., 740, 1290, 3456, 2970, 7392
Monaco, T. L., 247
Monahan, T. P., 4234
Money, L., Jr., 2689
Monjauze, R., 3415
Monnerot, J., 2430
Monnier, A.-M., 3641
Monnier, M., 2001, 2002, 2101
Monod, G., 4802
Monro, A. B., 1045, 1240
Monroe, W. S., 4803
Montagu, A., 458, 459, 2431
Montagu, J. D., 6759
Montagu, M. F. A., 3534, 5306
Montague, E. K., 504
Montalto, F. D., 2330
Montanari, A., 1449
Montanari, M., 5775
Montgomery, K. C., 138, 505, 5533, 5534
Montgomery, V. E., 7167
Montoya, R., 8922
Montoye, H. J., 248
Montreuil-Straus, G., 3090
Moody, H., 7674
Moon, P., 2140
Moonan, W. J., 139, 1834(a)
Mooney, H. W., 4205(a)
Moore, B. V., 210, 6868, 6869
Moore, C. E., 9435
Moore, E. A., 2603
Moore, F., 8600(a)
Moore, G. E., 5168
Moore, J. V., 3361, 5037, 5038, 5524, 8217
Moore, J. E., 1625
Moore, M. T., 1418
Moore, O. K., 966, 3975
Moore, P., 1272
Moore, W. E., 4158
Moorhouse, D., 2860
Moorman, F. C., 4616
Mora, G., 7841
Morant, G. M., 761
Morello, A., 5369
Moreno, J. L., 181, 3642, 4178, 4206, 4456, 4457, 5825(b), 5826(b), 5866(b), 6670(b)
Morey, J. L., 1750(t)
Morgan, C. A., 3472(t)
Morgan, C. L., 3965
Morgan, D. N., 4016
Morgan, H. H., 4378
Morgan, L., Jr., 2872
Morgan, W. J., 3967
Morgenhaler, W., 3651
Moriarty, J. D., 3061, 8780
Morimoto, F. R., 6360, 7810
Morimoto, K., 7521(a)
Morin, F., 366, 5358, 6915, 6916, 8396
Morin, J., 8302, 9086
Morin, R. E., 7170, 8482
Morley, D. E., 1273
Morrell, F., 5370(a), 5371
Morrill, S. N., 3426, 8452, 9108
Morris, D., 3850, 9119
Morris, H. N., 385
Morris, J. V., 1193, 1274, 4546, 4547
Morriseti, L., Jr., 3909, 3972, 3973
Morrison, I. E., 8963(a)
Morrow, W. R., 8026
Morse, N. C., 6456
Morse, P. W., 6126
Morse, W. C., 6163
Morselli, G. E., 6251
Morsh, J. E., 5069, 5807
Morstad, O., 6436
Mosberg, W. H., Jr., 294
Mosel, J. N., 1607, 5065, 8316
Moseley, N., 606, 3251, 3253
Moser, C. G., 5745
Moser, U., 6697
Moshman, J., 3597
Moss, C. S., 8761(a)
Mostellar, F., 5597, 6780, 7077
Mote, F. A., 355, 6993
Motokawa, K., 2102, 3802, 3803, 3804
Motwani, K., 762
Moufang, W., 7199
Mountcastle, V. B., 280, 288
Mowbray, G. H., 6943
Mowitz, R. J., 1684
Mowrer, O. H., 57, 140, 1046, 1047, 1048, 1049, 1050, 1367, 2832, 3062, 5574, 6382, 8702
Mowry, H. W., 8988
Moynihan, M., 422, 3850
M'rom, M., 2339
Mucchielli, R., 7123
Mudd, E. H., 4316, 7426
Mueller, E., 5063
Mueller, G. O. W., 6311
Mueller, J. H., 4887
Mueller, K. H., 1513, 4887
Muenier, J.-A., 962
Muensterberger, W., 5627
Muenzinger, K. F., 506
Mühl, A. M., 3012
Muhr, J. P., 954
Mukerji, D. P., 763
Mukerji, R., 4846
Mull, H. K., 6542
Mullaly, C., 507
Mullan, H., 4458, 4459, 7611
Mullen, F. A., 9016
Müller, Alexander, 7854
Muller, Armand, 7246
Müller, C., 1366
Müller, P., 4379
Müller, Rainer, 1433
Müller, Rolf, 8366
Müller-Eckhard, H., 5746, 7290
Müller-Hegemann, D., 640, 1051, 1419, 5697, 7612
Müller-Limmroth, H. W., 8436
Mulligan, R. A., 4866
Mullins, C. J., 3968
Mumby, H. H., 3731
Muncie, W., 1052, 1053
Mundle, C. W. K., 5134
Mundy-Castle, A. C., 3894, 8372
Munsterberg, E., 4064
Murase, K., 7496
Murdock, G. P., 819
Murnin, J., 5608
Murphey, E. J., 1394
Murphree, O. D., 6761
Murphy, A. T., Jr., 7771(a)
Murphy, C., 894
Murphy, D. B., 8535(a)
Murphy, G., 914, 2468, 6738, 7354
Murphy, H. A., 4822
Murphy, L. B., 8280
Murphy, Margaret N., 2344
Murphy, Mary M., 2923, 7747
Murphy, S. B., 2092
Murray, Charles M., 8605(a)
Murray, Clyde E., 7355
Murray, Edward J., 316, 3976
Murray, Evelyn, 1117
Murray, G., 2197
Murray, H., 4548
Murray, H. D., 5451
Murray, J. P., 7355
Murray, John E., 3416
Murrell, K. F. H., 1655
Mursell, G. R., 1194
Mursell, J. L., 8281, 8964
Murthy, S. A. S., 6658
Murty, V. N., 3598
Musacchio, F. A., 6312
Musatti, C. L., 211, 5452
Mussen, P., 2443, 4064, 5888
Musser, M. J., 8919
Muthard, J. E., 2747
Myers, C. K., 7052, 7053
Myers, C. T., 5656
Myers, J. E., 2839, 7564, 8771, 8802
Myers, J. M., 980, 6070
Myers, M. S., 2340, 3241
Myerson, D. J., 4567
Mygind, S. H., 2141
Myklebust, H. R., 4788, 7063, 8953
Myrdal, G., 830, 4146

Naber, R., 4759
Nabrit, J. M., Jr., 784
Nachman, M., 6725(t)
Nachmias, J., 5399, 7149
Nacht, S., 2196, 6870
Nadeau, G., 3013
Nadel, S. F., 2432
Nadler, E., 1751(t)
Nadler, G., 5039
Näf, H., 1296
Nagelberg, L., 2924
Nagle, B. F., 3381, 3599
Nagy, M. H., 7291, 7292, 7293
Nahoum, C., 8964
Naidoo, D., 1420
Nair, K. R., 1691
Nance, A. D., 3235
Nandi, D. N., 4664, 7834
Nannarello, J. J., 7677
Napier, M. B., 4551
Napoli, P. J., 915
Narayan, R., 58
Narusse, G., 5645
Narvane, V., 5169(b)
Nash, H. T., 963
Nash, J., 1892
Natenberg, M., 1054
Nathan, P., 6894
Nathans, J. W., 2023
Nathanson, M., 2103, 5328
National Association for Retarded Children. Education Committee, 6049
National Society for Crippled Children and Adults, 4760, 4789, 6281
Naumburg, M., 6127
Nauta, W. J. H., 5353
Naville, P., 4503
Navran, L., 1626
Naylor, R. V., 1275
Neal, P. A., 2394
Neale, L. W., 7988
Nedelsky, L., 8085
Needles, W., 6252
Neel, V. M., 4836
Neely, J. C., 3550
Neff, W. S., 7540
Neff, William D., 380(a), 384(a)
Negrin, J., Jr., 8762
Neidt, C. O., 4889, 6824
Neimark, E., 5623, 8536(a)
Neisser, U., 3827, 7149
Nel, B. F., 4761
Nelson, A. G., 6280
Nelson, E. S., 7956
Nelson, H. E., 6512, 7989
Nelson, H. Y., 4847
Nelson, M. O., 7947
Nelson, M. S., 1536
Nelson, Muriel C., 2748
Nelson, O. W., 6262
Nelson, P. B., Jr., 3383
Nelson, R., 4989
Nelson, W. O., 4680
Nemor, N., 3137
Nencini, R., 1241
Neshkovitch, M., 8437(b)
Neubauer, P. B., 2579, 2604, 4235
Neuberger, F., 7064
Neufeld, I., 59, 1440, 7880
Neuhaus, W., 821
Neuman, G. G., 8763(a)
Neumann, F. L., 12
Neumann, M. A., 3014
Neumeyer, M. H., 2433
Neustadt, E. S., 2925
Neustatter, W. L., 2976
Nevis, E. C., 3473(t), 6646
Newberger, H., 4625
Newbigging, P. L., 5677
Newbold, G., 2176
Newburger, H. M., 6128
Newbury, E., 60, 6760
Newby, F. J., 8034, 8448
Newcomb, T. M., 212, 5574, 5828, 5963
Newell, H. W., 6239
Newhall, S. M., 356, 5422
Newland, T. E., 8050
Newlin, E. P., 6686
Newman, I., 3015
Newman, P. P., 3693
Newman, R., 8747, 8488
Newman, Russell B., 249
Newman, S. E., 3350
Newton, M. E., 2580
New York Academy of Medicine. Committee on Public Health Relations, 6353
New York State. Department of Mental Hygiene, 1195
Nicaforo, A., 4236
Nichols, I. A., 7224
Nichols, J.W., 3978
Nicholson, M. A., 3393, 8675
Nichtenhauser, A., 3684
Nicolai, H., 7006(b)
Nicolaou, G. T., 4515
Nicolson, A. B., 4090
Niedermeyer, E., 8941
Nielsen, J. M., 4010, 4740, 7906, 7907
Niihama, K., 5624
Niimi, Y., 5343
Nikintin, P. I., 5190
Nila, S. M., 4648
Nimkoff, M. F., 3845
Ninck, M., 4065
Nisbet, J., 545, 2280
Nisselson, H., 2466
Nissen, H. W., 364, 3845, 3977, 3978
Niswander, G. D., 2748
Nitsche, C. J., 6779(a)
Niven, J. R., 141
Niven, Jorma I., 306, 2104, 2142
Nixon, B. M., 1566
Nixon, J. E., 6804
Nixon, M. E., 6172
Nizetic, B. Z., 7007(b)
Noble, C. E., 508, 1627, 2199, 4017, 5006, 7168, 8686
Noble, D., 7932
Noble, M. E., 6678, 7097, 7158
Noble, W. J., 6871
Nobre de Melo, A. L., 423, 8844
Noel, D. L., 6513
Noell, W. K., 281
Nogar, F. J., 49
Nogee, P., 1752(t)
Nolan, C. Y., 4000
Nolan, J. A., 6514
Noll, V. H., 8086
Nöllmann, J. E., 4665
Norberg, K., 1488
Nordquist, G., 13
Norford, C. A., 6508
Norman, R. D., 2581, 7541, 8700
Norman, R. Z., 7379
Normand, R., 2489
Norris, E. B., 2228, 7169, 8492
Northrop, D. S., 1450
Northway, M. L., 7748
Northwood, L. K., 7356(a)
Norton, J. L., 6606, 6607
Norval, M. A., 3126
Notcutt, B., 5678
Notkin, J., 3016
Notterman, J. M., 3924
Novara, F., 4336
Novikova, L. A., 3732
Nowell, A., 1514
Nowicki, A., 8335
Nowlis, V., 2347, 5574, 5679
Noyes, A. P., 6191, 8758
Nozawa, S., 5453
Nuckols, R. C., 730, 731, 1672, 9223
Numazawa, K., 2490
Nunberg, H., 460, 7613
Nunnally, J. C., 1304, 2984
Nurse, A. G., 1395
Nuttin, J., 2281
Nylander, I., 3138
Nyssen, R., 213, 2036, 4301, 4520
Nystrom, C. O., 7170

Oakley, C. A., 8252
Oberndorf, C. P., 182, 1369, 1933, 2749, 2750(a), 3643, 5287, 8764
Obias, M. D., 5625
Obonai, T., 5438, 5645, 8438
O'Brien, B., 7008
O'Brien, C. C., 389
Obrist, W. D., 665
O'Connell, D. N., 2124, 3827
O'Connor, B. L., 6601(a)
O'Connor, J. D., 5964
O'Connor, J. P., 6383
O'Connor, John J., 5965
O'Connor, N., 2873(a), 6216
O'Dea, J. D., 1534, 6576, 8079
Ødegård, Ø., 6361, 8892
Odell, C. E., 4504
Odell, C. W., 8087
Odier, C., 6254
Odineta, P. I., 5479
Odiorne, G. S., 5070
O'Doherty, D., 3706
Odum, H. W., 2491
Oelke, M. C., 9063(a)
Oga, Y., 7171(b)
Ogden, G. G., 1611
Ogden, D. P., 8355
Ogden, J. A. H., 6594(a)

Ogle, K. N., 357, 2060, 2106, 5454
O'Grady, R. M., 9017
Ogushi, T., 8903
Ohara, H., 2545
Ohlin, L. E., 1619
Ohlsen, M. M., 8104
Ohm, J., 7009, 8439
Ohman, S., 5966
Ohmart, J. G., 8297
Ohwaki, S., 317
Ohwaki, Y., 358
Oikawa, T., 3749
Ojemann, R. H., 4295
Okamoto, E., 509
O'Kelly, L. I., 1055
Okhnianskaia, L. G., 8537
Olden, C., 7294
Oldfield, R. C., 5191, 7173
Oldham, A. J., 4666
Olds, J., 7173, 7174
Oléron, G., 318, 8483, 8569
Oléron, P., 546, 4790, 7933, 8557
Olinick, S. L., 7499
Oliver, J. E., 142
Oliver, W. A., 4967
Olkin, I., 3600
Oller, O. B., 7881
Olmsted, D. L., 866
Olsen, A. R., 7426
Olshansky, S. S., 1118, 3159, 7652
Oltean, M., 3091
Oltman, J. E., 1242
Ombredane, A., 7542
Oñativia, O. V., 5400(b)
O'Neil, W. M., 1835, 3525, 3551
O'Neill, D., 7860
O'Neill, H. W., 1542
Ong, W. J., 2534
Onions, W. J., 3413(a)
Onksen, G. W., 6694
Opler, A., 2106
Opler, M. E., 703
Oppenheim, A. N., 2341(a)
Oppenheimer, O., 895
Orange, A. J., 4380
Orbeli, L. A., 252
Orchinik, C., 1544
Orgler, H., 1159
Origlia, D., 1056
Orlans, H., 677, 704, 7427
Orleans, J. S., 3312
Orman, J. N., 3149
Ormian, H., 2342, 2804
Orne, M., 2623
Ornstein, G. N., 4531
Orr, D., 7614
Ort, R. S., 5095
Ortar, G., 2492, 3661, 3662, 3293
Ortiz de Zarate, J. C., 6434
Ortmeyer, D. H., 3561
Osborn, A. F., 5646
Osborne, H., 595
Osgood, C. E., 3805, 5135
Osis, K., 7098
Osler, S. F., 7153(t)
Ossendorf, K., 1057
Osten, R., 6606(b)
Osterberg, W., 5040, 8148
Osterrieth, P. A., 2106, 4361
Ostlund, L. A., 7990
Ostojčić, A., 3231
Ostow, M., 187, 2003
Ostreicher, L. M., 4975
Ostrow, E. K., 667
Otani, T., 6889
Otenasek, F. J., 6129
Otis, L. S., 5523, 5609
Ottonello, P., 1160
Ourgaud, A. G., 7882
Ouspensky, P. D., 8282
Outler, A. C., 6130
Overholser, W., 1161, 2833, 6124, 6192, 7678
Overstreet, B. W., 822, 6701
Overstreet, H., 8701
Ovesall, J. J., 4588
Owen, D. B., 3601
Owen-Flood, A., 2762
Owens, C., 7500
Owens, W. A., Jr., 4028, 5657
Øyen, Ø., 4275
Ozkaptan, H., 3754

Paavilainen, E., 8871
Pablo, P., 955
Pacaud, S., 6872, 8118
Pacella, B. L., 2634(a), 7615, 8751, 8800
Pacheco e Silva, A. C., 896
Pacht, A. R., 916
Padgham, C. A., 359
Pagano, G., 6917
Page, C. W., 8748(a)
Page, D. J., 3586
Page, H.A., 510, 2673
Page, M. H., 1586
Pailliard, J., 424, 8483, 8569
Palazzoli Selvini, M., 1396
Palm, J. D., 8823
Palm, R., 2926
Palmer, E. N., 2374
Palmer, H., 576
Palmer, J. O., 964
Palmer, John M., 4276(a)
Palubinskas, A. L., 6543
Palumbo, A. Z., 641
Pancfsky, E., 12
Pantin, C. F. A., 283
Papania, N., 7835(a)
Papavassiliou, I. I., 2663
Paperte, F., 933
Papish, M. F., 6217
Papo, I., 2895
Parad, H. J., 2795
Parcheminey, G., 214, 3442
Parfit, J., 1637
Paris, N. M., 7175(a)
Park, G. E., 5455, 7991
Park, P. D., 8893(a)
Park, R. E., 5927
Parke, L. H., 2350
Parker, C. D., 8403(a)
Parker, J. W., Jr., 6695
Parker-Rhodes, A. F., 2200
Parkes, M. W., 6883
Parkhurst, B. H., 4637
Parks, R. B., 5071
Parks Ochandorena, R., 4717
Parland, O., 8894, 8940
Parloff, M. B., 3474(t)
Parmer, C. H., 8676(a)
Parrish, J. A., 867
Parrish, M. M., 6131
Parry, H. B., 3806
Parsons, T., 3526, 8494, 8626
Parsons-Smith, G., 2107, 3807
Parton, D., 1455
Partridge, D., 4922
Pasamanick, B., 2835, 5736, 5985
Pascal, G. R., 1196, 2927, 3107, 4678, 8702
Pascal, J. I., 8440
Pashalian, S., 3347, 3354, 3356, 3357
Pasquasy, R., 3621
Pasricha, P., 2751
Passow, A. H., 1587, 7357
Pastro, T. A., 4319
Patay, R., 7010(b)
Patel, A. S., 3242
Paterson, D. G., 227, 842, 4841, 9074
Patetta-Querirolo, M. A., 3608
Pathael, L. L., 4948
Pathman, J. H., 8702
Patin, J., 6642
Patterson, C. H., 2664
Patterson, G., 499
Patterson, R. L., 1547
Patton, R. A., 5344, 5535
Patton, R. M., 481, 8484(a)
Patty, W. L., 2282
Paul, L., 4460
Pauleikhoff, B., 2252, 6362
Paulsen, A. A., 4091(a)
Paulson, S. F., 2546(a), 5950
Paunca, A., 7616
Pavenstedt, E., 6239
Pavlov, B. V., 5345
Payne, M. C., 5058
Payne, R. B., 2177, 2178, 6890, 8475
Payne, S. L., 666
Paynes, R.-W., 3674
Peabody, G. A., 7749
Peacock, S. M., Jr., 8367
Peak, H., 3542
Pear, T. H., 3644, 5829
Pearson, J. B., 9120(a)
Pechtel, C., 3060, 5376, 6190, 7675
Peck, H. B., 2796
Peck, L., 5747
Peck, R. E., 4461
Peckarsky, A. K., 4611(a)
Peckham, R. A., 3160
Peek, R. M., 2085
Peel, E. A., 4382, 8336
Peer, H., 4714
Peerson, V. L., 1489
Peffer, P. A., 3018
Pelmer, I. A., 5346
Peixotto, H. E., 6555
Pekny, L., 8941
Pellegrin, R. J., 4147
Peltenburg, C., 2926
Peña, C.D., 4762
Penniman, T. K., 705
Pennington, L. A., 8702
Pennock, M. E., 1102
Pennsylvania State University. Instructional Film Research Program, 7992
Penrose, L. S., 1189, 3527, 8780
Pepe, A., 1340
Pepinsky, H. B., 890, 4462, 8703
Pepinsky, P. N., 8703
Perbix, J. A., 8485
Peremans, G., 8253
Perkins, C. C., Jr., 7176
Perkins, D. R., 5071
Perkins, E. V., 4849(a)
Perkins, K. J., 6578
Perkins, M., 1813
Perkins, W. H., 7772(a)
Perl, E. R., 382(a), 7065
Perl, W. R., 6313, 7796
Perlis, M. E., 7428
Perlman, J. S., 1490
Perlman, R. M., 2376
Perlmutter, H. V., 511, 694
Perloff, R., 5229
Perls, F. S., 7358
Perls, L. P., 7359
Perman, J. M., 3161
Perrin, F. H., 7011
Perrot, L., 2039
Perrotti, N., 215
Perry, H. S., 1168
Perry, J. W., 6363
Perry, N. C., 3596, 5228, 6944
Perry, R. B., 5170
Perry, S. E., 8821
Perry, W. G., Jr., 1058
Perryman, J. N., 2525
Perse, J., 4763
Perugia, A., 934
Pesce, H., 8922
Pescor, M. J., 6255, 7761
Pestrecov, K., 3417
Petelina, V. V., 5347
Peter of Greece and Denmark (H.R.H., Prince), 5889
Peters, H. C., 3214
Peters, H. N., 4667, 6761
Peters, J. M. L., 4066
Peters, John E., 5348
Peters, Joseph J., 5373
Peters, R. S., 5288
Peters, R. W., 6659
Peters, W., 5289
Peterson, D. B., 8791
Peterson, G. E., 2547, 2548
Peterson, O. F., 3331
Petit, R., 5007
Peto, A., 8870
Petrie, A., 1034, 2647, 5095(a), 6132
Petro, C., 1059
Petrus, J., 3139
Pettazzoni, R., 4237
Pettit, C. W., 7295(a)
Pettit, W. A., 1656, 2104
Petty, T. A., 7247
Petz, B., 3231
Petz, G., 1640, 4721
Peyre, H., 12
Peyronnet, G., 2493
Pfaffenberger, H., 1103
Pfaffmann, C., 2037(a)
Pfeffer, A. Z., 6256
Pfeifer, R. A., 183
Pfiffner, J. M., 1600, 5041, 8218
Pfister, O., 61
Pflanz, M., 2836, 8429(a)
Pflieger, E. F., 4850
Phelan, J. G., 3675(a)
Phelan, R. F., 3385
Phelps, V. N., 8307
Phifer, G., 7460
Philbrick, W. W., 1486
Philbrook, A. L., 4791
Philip, B. R., 4668
Phillips, C., 6515
Phillips, C. G., 6912
Phillips, E. L., 2753, 5660
Phillips, J. J., 6047(a)
Phillips, L., 452, 2686, 5802, 5830
Phillipson, H., 2753
Philp, H., 6003
Phippe, P., 4494
Piaget, J., 2106, 5748, 5749, 7012, 7013, 8294, 8494
Pichot, P., 3140(a), 4763
Pickrel, E. W., 3475(t)
Pierce-Jones, J., 8729
Piercy, M. F., 8396
Piéron, H., 250, 319, 320, 341, 390, 2038, 8337, 8388
Piera, G., 3538, 8694
Pieter, J., 8562
Piette, Y., 6133
Pilgrim, F. J., 5535
Pillay, A. P., 5536
Pillsbury, R. M., 7591
Pilmes, R., 2977
Pincus, G., 3000
Pinelli, P., 5331, 7836
Pinneau, S. R., 1754(t)
Pinsky, R. H., 1382
Piotrowski, Z. A., 4359
Pirenne, M. H., 2109
Piret, R., 6667
Pisani, D., 216
Pitcher, B., 7229
Pitcher, R. W., 4851(a)
Pitt, W. J., 8283
Pittman, A. R., 6375
Pitts, R., 4852(a)
Pitts, W., 1799
Pius XII, 4463
Plackett, R. L., 6805
Plank, E. N., 7296
Plank, R., 6364, 7248
Plas, F., 3415
Plata Gutiérrez, J., 1441
Platt, E. B., 7734
Platt, H., 8923(a)
Plaut, A., 2929
Ploog, D., 1332
Plottke, P., 596
Plunkett, J., 4712
Plutchik, R., 6747, 7230
Podolsky, E., 156, 2201, 2343, 2930, 3162, 6454, 7297, 7750, 8765
Poe, A. C., 1857, 3358, 3418
Pokorny, R., 4320
Polak, F. L., 5967
Polak, P., 2754
Polatin, P., 1333, 2755
Politz, A., 3434
Pollack, I., 3419, 3979
Pollack, M., 8930
Pollak, O., 2582
Polliard, F., 3859
Pollock, G. H., 2004
Pollock, L. J., 3710
Pollock, M., 6218
Pollock, M. P., 6218
Pollock, W. T., 1755(t), 2110, 3809
Pomeroy, W. B., 5526
Pomryn, B. A., 4409
Pond, D. A., 6425
Pons, A. L., 3420
Ponzo, M., 3676, 6671
Pool, J. L., 6407(a)
Poole, R. C., 2609
Pope, B., 4669, 5867, 7298
Pophal, R., 4321
Popham, R. E., 2931
Popma, S. J., 4066
Popov, C., 7014
Popov, N. A., 7014, 8389
Popp, C. E., 8822
Porta, V., 1396
Porter, L., 184
Porter, Lyman W., 3980
Porter, P. B., 3998
Porter, R., 8366
Porter, R. B., 6164
Porterfield, A. L., 706
Porteus, S. D., 8730
Portnov, A. A., 1931
Poruben, A., Jr., 5317
Posner, E. G., 6408
Posner, A., 8441(b)
Postell, W. D., 2837
Postman, L., 2283, 3733, 3734, 5401, 5574, 5636, 7459, 8687
Potter, A. K., 7412
Potter, A. M., 7994
Poulos, T. H., 3264
Poulton, E. C., 2229, 5968, 7461
Powdermaker, F. B., 2756, 5750
Powel, M. B., 5095(a)
Powell, J. H., 4174
Powell, John W., 2757
Powell, Johnny, 2310
Powell, R. M., 6544(b)
Powell, S. C., 5647

Power, E. J., Jr., 2570
Powers, C. A., 2685
Powers, D. F., 4092
Powers, E., 1299
Powloski, R. F., 5636
Posner, H., 2932
Prados, M., 4464
Prager, A. de H., 387
Prall, R. C., 4543(a)
Prasad, J. N., 7868
Prasad, R., 6579(b)
Pratt, C., 6048(a)
Pratt, J. G., 5402
Pratt, K. C., 8602
Pratt, L. E., 8688(a)
Pratt, P. G., 6312
Pratt, R. T. C., 8367
Prechtl, H. F. R., 425
Precker, J. A., 2434
Pregler, H., 8051
Preston, J. T., 5235
Preston, M. G., 4318
Preston, R. C., 1491
Prestridge, V., 6254
Pribram, K. H., 264(a), 5366, 5374, 5375, 6895
Price, D. B., 7932
Price, H., 1397
Price, H. H., 2253
Price, Helen G., 426
Price, M. A., 3874
Prick, J. J. G., 6409
Priestley, B. S., 8303
Prieto F., L. B., 5290
Prince, A. I., Jr., 8539(a)
Prince, C. H., 2425
Principal, C. P. I., 7995
Pringle, J. W. S., 5403
Prinsen, H., 8845
Pritchard, B. S., 8297
Pritzker, L., 4172
Procter-Gregg, N., 2302
Proctor, C., 3742(b), 5925(b)
Proctor, P. W., 4853(a)
Progoff, I., 62
Pronko, N. H., 823
Pronovost, W., 4854
Proschan, F., 3602
Prothro, E. T., 1515, 1666, 2494, 2495, 7429, 8025
Prout, C. T., 6223
Provence, S., 7205, 7300
Prugh, D. G., 642
Pruitt, E. E., 9018
Psychoanalytic Collections Conference, 5241
Ptacek, P. H., 7066(a)
Puech, J., 3668, 6345
Pugh, R. W., 3019
Pullar-Strecker, H., 2933
Pullen, M. S., 3020
Pullman, D. R., 765
Pulver, J., 185
Pumphrey, R. J., 4277, 8553
Pumpian-Mindlin, E., 7617
Purdy, C. R., 8969
Purvis, H., 7996
Purvis, V., 3547
Pushman, D., 6334
Putman, I. J., Jr., 4855(a)
Putnam, M. C., 7642(a)
Pysik, S. W., 1974(a), 3710, 5352

Qunade, F., 3092
Quandt, J., 4696
Quaranta, J. V., 3810
Quarrington, B., 2957
Quastler, H., 1799, 3694
Quay, H., 4398
Queen, S. A., 2435, 4230
Quenouille, M. H., 1836
Querido, A., 4066
Quine, W. V. O., 1814
Quinlan, M. C., 6555
Quinn, B., 3088
Quiros, F., 4633, 7800

Rabben, M., 8280
Rabideau, G. F., 5192
Rabin, A., 2805, 5992, 6873
Rabinovitch, R. D., 6152, 6312
Rabinowitz, C., 7618
Rabinowitz, W., 2623, 3311, 4968, 8105
Raby, K., 7751
Racamier, P.-C., 7299
Rachel, S., 63
Racker, E., 597, 1060
Racker, H., 5698, 6134, 7079, 8766
Rackow, L. L., 915
Radcliffe-Brown, A. R., 5890
Radke-Yarrow, M., 766, 5801
Radner, L., 2237
Rado, S., 1061, 6193, 6257(b)
Radom, M., 5008
Rae, A. S. L., 1343
Rae, J., Jr., 5766
Raevuori-Nallinmaa, S., 8871
Raginsky, B. B., 2762
Ragland, G. R., Jr., 8029(a)
Raiffa, H., 8289
Raineri, C., 6945
Raines, G. N., 6193
Rainey, R. C., 5404
Rainwater, L., 4987
Raisin, B. C., 4626(a)
Raivio, Y., 8496
Raj, D., 1893
Ralli, E. P., 1968
Ram, P., 7360
Ramana, C. V., 3021
Rambo, V. C., 2375
Ramond, C. K., 5627
Ramsay, A. G., 6756
Ramsay, A. O., 427
Ramsey, G. V., 5648
Rand, G. W., 2104
Rand, W., 2344
Rangell, L., 7680
Rank, B., 6239, 7642(a)
Ranken, H. B., 2061
Rankin, P. T., 3277
Ransom, D., 5490
Ranson, S. W., 285
Ransom, J. H., 5734
Rao, K. G. R., 6643(b)
Rao, S. K. R., 1934, 7364
Rapaport, D., 2254, 3911
Raphael, W., 3421(a)
Rapkin, M., 4383
Rapoport, A., 5171, 6707, 7462
Rapoport, J., 3161
Rappaport, S. R., 4322, 6365
Rascovsky, L., 4589
Rasgorshek, R. H., 3611
Rashevsky, N., 7360
Raskin, N., 2005
Raskin, N. J., 1078, 4793
Rasmussen, A. T., 1975
Rasmussen, E. T., 1935
Rasmussen, G. L., 3711
Rasmussen, G. R., 4969(a)
Ratchick, I., 9043(a)
Ratliff, F., 2112, 8442
Ratoosh, P., 5456
Ratzeburg, F., 6529
Rau, C., 3491
Rauch, —, 3141
Rauch, M. D., 5111(t)
Rauch, S. S., 5112(t)
Rausch de Traubenberg, N., 4764
Raven, B. H., 7361(a)
Raven, J. C., 3677
Ravitz, L. J., 1969
Rawnsley, A. I., 2136, 7064, 7065, 7061
Raxworthy, W. K., 7015
Ray, C. D., 2609
Ray, I., 8801
Ray, J. T., 306
Ray, T. B., 6102, 6366
Ray, V. F., 4179
Ray, W., 1658
Raynor, G. H., 3338
Read, H., 596
Reagan, C. H., 1062
Rechtschaffen, A., 4644
Recktenwald, L. N., 2583
Reda, G., 218, 1241
Reddick, L. D., 4207
Redemsky, L. W., 1548
Redfearn, J. W. T., 5506
Redfield, C. E., 6660
Redfield, R., 2496
Redkey, H., 6832
Redlich, Frederick C., 1146, 2839, 5311, 7619, 8747
Redlich, Fritz, 2838
Redmount, R. S., 2934
Reed, C. F., 5113(t)
Reed, E. W., 8823
Reed, G. F., 7067
Reed, H. J., 4970
Reed, P. C., 7134
Reed, S. C., 1177, 8823
Reese, R. G., 1024
Reis, L., 1398, 4465, 4722
Reese, E. P., 3422
Reese, T. W., 3422
Reese, W. G., 2230, 8942
Reeves, J. L., 7000
Reeves, J. W., 7653
Regensburg, J., 7643
Reich, H., 14
Reichard, S., 1317
Reichen, M. L., 8606
Reichenbach, H., 1815
Reichenberg-Hackett, W., 2867
Reid, A. T., 3603
Reid, I. De A., 4208
Reid, J. E., 6314
Reid, L. S., 5628
Reider, N., 1063, 1064, 7681, 8767
Reidy, J. J., 6891, 9113
Reifen, D., 2978, 3163
Reifenberg, E., 2006, 3063
Reik, L. E., 6135
Reik, T., 1244, 3912, 4238, 5585
Reile, P. J., 1756(t)
Reilly, R. W., 1334(a)
Reiman, M. G., 7644
Reinemann, J. O., 4239
Reiner, E. R., 2758, 2760, 3022, 3026, 7619
Reinhardt, J. M., 2436
Reinhold, M., 1421, 6937, 8404
Reinke, A. R., 3812
Reiser, L. A., 8905
Reiser, M. F., 1400, 4712
Reisman, M. J., 8758
Reisman, S., 6239
Reiss, A. J., Jr., 1297, 1619, 4240
Reiss, B. F., 8260
Reiss, S., 64
Reissman, L., 4241
Reitan, R. M., 3093, 3094, 3142,
Remage, R., 3593
Remits, E. L., 6238
Remmers, H. H., 512, 1511, 3300, 6600(a), 8021, 8589, 8655, 8965
Rémond, A. G., 3000, 6922
Remondino, C., 960
Remy, M., 5537
Renfrew, S., 3729
Rennert, H., 4765, 8872
Rennes, P., 3359, 8149
Rennie, T. A. C., 1370
Renshaw, S., 5457, 5458
Resnick, J., 2345
Resta, G., 7717
Retzlaff, E., 296(a)
Reuchlin, M., 1894, 8304
Reuning, H., 1895, 2668
Reutt, J., 5586
Revers, W. J., 4046, 5291
Revesman, S., 5441
Révész, G., 1816, 1936, 3529, 3645, 3646, 3647, 3813, 5136, 8571
Revitch, E., 4856, 8768
Rey, A., 219, 2039, 2111, 3678, 7099
Rey, J. H., 4157
Reynolds, B., 428, 513, 3981, 5629, 7100, 7177, 8512
Reynolds, G. F., 4067
Reynolds, M. C., 1492
Reynolds, P. E., 8068
Reynolds, W. F., 2878, 7094
Reznikoff, M., 6924(a)
Rhine, J. B., 5137, 5405, 5538
Rhodes, R. H., 1065
Rhulman, R., 1549
Ribbands, C. R., 5539, 5540
Ricciuti, H. N., 6049, 8150
Rice, A. K., 6661
Rice, G. E., Jr., 8487(a)
Rice, L. A., 3435
Rice, M. D. H., 5114(t)
Rich, R. H., 8119
Richards, B. W., 4532
Richards, J. A., 6560
Richards, M., 2875
Richards, O. W., 5541
Richardson, E. G., 8457
Richardson, L. F., 7430
Richardson, P. D., 7431
Riche, C. V., Jr., 2179
Richenbach, M., 1119
Richfield, J., 1162
Richins, C. A., 5376
Richmond, A. H., 2497
Richmond, E. V., 8930
Richmond, W. K., 3604
Richter, C. P., 429, 1837, 2180(a), 2935
Rickard, J. C., 3896
Ricks, J. H., Jr., 1896
Ridenour, N., 2584
Rider, P. R., 3605, 6806
Riegel, O. W., 7362
Rieger, H., 2346
Rieman, G. W., 1183
Riemann, F., 1371
Riemer, S., 4180
Riese, J., 1399
Riese, W., 2840
Rieser, A. H., 514, 3982, 5459
Riesman, D., 8778
Rife, D. C., 3779
Riggs, L. A., 2112, 8442
Riggs, M. M., 2854, 4047
Righthand, H., 3476(t)
Riley, D. A., 2231, 3983(a)
Ringel, E., 65
Rinke, A., 868
Rinne, K. W., 8563(a)
Rioch, D. M., 1066, 1067, 5378
Rioch, M. J., 1001
Riopelle, A. J., 355, 360, 515, 516, 5460, 7016
Ripley, H. S., 7308
Rippe, D. D., 3606
Risher, C. G., 9063(a)
Rishikof, J. R., 517
Risques, F. A., 6357
Ritchie, B. F., 3530
Rittenhouse, C. H., 3403
Ritvo, S., 7300
Rivlin, H. N., 4857
Rizzo, C., 7443
Roach, R. E., 4793, 7068(a)
Roback, A. A., 7463
Robb, G. P., 9064(a)
Robb, J. H., 4323
Robbins, F. G., 4804
Robbins, N. A., 3215
Robert, A., 7101
Robertiello, R. C., 2755
Roberts, D. H., 2839, 4670, 8802
Roberts, H. W., 5892
Roberts, J. A. F., 7516
Roberts, J. B., 8316
Robertson, J. D., 287
Robin, G., 6580
Robins, A. J., 1335
Robinson, Donald W., 3084
Robinson, Dorothy, 4486
Robinson, F. P., 1550
Robinson, G. W., Jr., 3023
Robinson, Geoffrey C., 6440
Robinson, H. A., 2839, 5042
Robinson, H. M., 361, 3216, 7017
Robinson, J. F., 6561
Robinson, Jacqueline, 2650
Robinson, John S., 3984
Robinson, N. M., 3024
Robinson, R. L., 7473
Robinson, W., 8255
Robinson, Z. R., 4945
Robison, D., 4003
Robson, R. A. H., 2437(a)
Roby, T. B., 4146, 6620, 8689
Roca, P., 3477(t)
Rochele, K. H., 6978
Rochlin, G., 7301, 7753
Rock, M. L., 5831, 9075
Rockefeller Foundation, 3622
Rockett, F. C., 5637
Rockway, M. R., 7178, 8539(a)
Rockwell, A. F., 8627(a)
Rockwell, F. V., 1164
Rocky Mountain Branch of the American Psychological Association, 5262
Rodell, C., 8731(a)
Rodger, A., 6173, 7654
Rodgers, D. A., 5043
Rodgers, R. C., 2079
Rodin, E. A., 7074(b)
Rodnick, E. H., 1955
Rodrigues, J. S., 675
Rodrigues, H., 6934
Rodrigues Bou, I., 3217, 8030
Roe, A., 1956, 3443, 6714
Roe, R. M., 3373
Roedenbeck, S. D., 6367
Roelofs, C. O., 2129
Roemer, H., 3095
Roethlisberger, F. J., 5969, 7464
Roff, M., 3360, 3735, 4890
Roger, J., 4746
Rogers, C. A., 3218(a)
Rogers, Carl R., 1068, 1069, 6136, 7464
Rogers, Cyril A., 5638
Rogers, D., 9065
Rogers, D. P., 3478(t)
Rogers, E. R., 2966
Rogers, L. S., 1070, 7906, 8943(a)
Rogers, M. S., 3985(a)
Rogge, G. O., 1757(t)

Röheim, G., 599, 767, 2255, 2303, 2498, 5893, 7407
Rohles, F. H., Jr., 9087
Rohrer, J. H., 1838, 6987
Roi, G., 6368
Roire, Y., 3679
Roloff, L. L., 518
Rom, P., 66, 1937
Romanelia, A. E., 5115(t)
Romanoff, L., 3000
Rome, H. P., 251
Romero, F., 707
Rommelspacher, F., 6259
Romswinckel, C., 7302
Ronchi, L., 5072
Root, F. M., 7018
Roper, E., 8677
Roper, V. J., 6698
Rose, Albert, 3814
Rose, Arnold M., 824, 2468, 5894, 5928
Rose, C. L., 5993
Rose, J. E., 288, 1984, 2007
Rose, S., 4467
Roseborough, M. E., 2438
Rosebrook, W. M., 6475
Roseman, E., 1424
Rosemann, H. U., 8443(b)
Rosen, A., 2669
Rosen, A. C., 1758(t)
Rosen, E., 7620
Rosen, G., 2762
Rosen, Harold, 2759, 2762, 3096, 7883
Rosen, Hjalmar, 2464
Rosen, J., 2668
Rosen, J. N., 3025
Rosen, T., 615
Rosen, V. H., 7200
Rosenbach, J. H., 3927
Rosenbaum, G., 519
Rosenbaum, J. L., 8264
Rosenbaum, M., 220, 1400
Rosenbaum, S., 643
Rosenberg, B., 256
Rosenberg, B. G., 4699
Rosenberg, L., 8846
Rosenberg, Milton J., 7363(a)
Rosenberg, Morris, 4242
Rosenberg, N., 4384, 4891, 8151, 8724, 9114
Rosenberg, P. E., 5480
Rosenberg, R., 362
Rosenberger, L., 6364
Rosenblatt, M., 1058
Rosenblith, W. A., 289(a), 3840, 5481
Rosenblum, S., 635, 7179(a)
Rosengarten, W., Jr., 8064
Rosenman, S., 1759(t)
Rosenthal, C. S., 2499
Rosenthal, F., 2376
Rosenthal, L., 6140, 7621
Rosenthal, Maurice J., 6165, 6410
Rosenthal, Melvin, 6726(t)
Rosenzweig, M. R., 5481
Rosenzweig, S., 3531, 8603
Roshal, J. M. G., 8769(a)
Roshwalb, I., 7381
Rosie, J. M., 1071
Rosner, B. S., 391(a), 520
Ross, B. M., 8507
Ross, D., 2613, 2614
Ross, George L., 1401
Ross, Grace, 4704
Ross, H., 3495
Ross, J. A., 332
Ross, L. W., 1625
Ross, Mathew, 8615
Ross, Merrill H., 5371
Ross, Muriel D. K., 6918(a)
Ross, N., 8604, 8704, 8775
Ross, S., 162, 1658, 2113, 3736, 5542, 5551, 5552, 5868, 6858, 8418
Rossetti, D., 6762(b)
Rossi, P. H., 869
Rostand, F., 3444
Rosvold, H. E., 261(a), 420, 517, 5349, 8508
Roswell, F. G., 4830
Roth, J. A., 6532
Roth, L. M., 5406, 5543, 6946, 8948
Roth, M., 1071, 4655, 4671
Roth, N., 6260, 7201
Roth, W. F., Jr., 2596
Rothenberg, A. D., 2788
Rothney, J. W. M., 965
Rothschild, D., 3007
Rothschild, F. S., 4278
Rothschild, G. H., 3549
Rothstein, J. H., 1527
Rotman, S. R., 6727(t)
Rotondo, H., 8895
Rotter, J. B., 2473, 7544
Roucek, J. S., 5895, 8873
Roudinesco, J., 2797
Rougas, R. R., 2702
Rouleau, Y., 3013
Rouse, I., 2453
Roush, R. G., 6953
Rowan, J., 5915
Rowe, A. T., 7749
Roy, B., 2500
Roy, D. F., 6662
Roy, P., 6050(b)
Roy, R. R., 6261
Roy, S. N., 6621(b)
Royce, J. R., 5349
Royer, P.-H., 2181
Rubadeau, D. O., 414
Rubenstein, A. H., 870
Rubenstein, H. S., 5377
Rubenstein, R., 8488
Rubin, A., 2143
Rubin, B., 243
Rubin, H., 4672(a), 6051, 7545
Rubin, L. S., 521
Rubin, M., 8026
Rubin, R. D., 484
Rubin-Rabson, G., 7408, 7546, 8628
Rubinstein, D., 330
Rubinstein, E. A., 2741, 6119, 7231
Rubinstein, J., 7510
Ruch, F. L., 15
Rud, F., 2641, 7682
Rudd, J. L., 3164
Rudhyar, E. F., 6137
Rudick, L., 2068
Rudin, D. O., 2008
Rudin, S. A., 4170
Rudolf, G. de M., 8824
Ruedemann, A. D., 3815
Rüegg-Marton, I., 4385
Ruesch, H., 186
Ruesch, J., 1072, 4279, 8803
Ruffler, G., 7622
Rüfner, V., 7251
Ruggles, A. H., 1165
Ruhe, D. S., 3684
Ruiz-Funes, M., 8874
Ruja, H., 3313, 6516
Rukon, P. J., 4386
Rümke, H. C., 6385
Rummel, J. F., 143, 8554
Runeberg, J., 8896
Runes, D. D., 2439
Runyon, E. L., 3680
Runyon, R. P., 5180
Rupe, J. C., 3423
Rupp, C., 6441
Rusalem, H., 7934
Rush, C. H., Jr., 1669
Rushong, H. D., 4302
Rushton, W. A. H., 8423, 8444
Rusk, H. A., 4785, 4795
Russell, B., 5832
Russell, D. H., 541, 2284, 3243
Russell, H. E., 5318
Russell, M. A., 4780
Russell, R. W., 252, 3885, 5138
Russell, W. R., 3143
Rust, R. M., 4858
Ruyer, R., 67
Ryan, B., 768
Ryan, F. J., 4858
Ryan, T. A., 3424, 5461, 8280
Ryan, W. C., 1451
Ryans, D. G., 1588, 1589, 6606
Rycroft, C., 4700
Ryden, E. B., 8965
Rylander, G., 8770
Ryle, G., 4018
Rzóska, J., 5544

Saavedra, A., 6369
Sabatini, R. W., 4859
Sabbath, J. C., 7643
Sacerdoti, G., 3026
Sachs, D., 7547
Sachs, L., 6370
Sackler, A. M., 3027
Sackler, M. D., 3027
Sackler, R. R., 3027
Sadowsky, A., 3789
Saenger, G., 5896
Saenger, I., 3165
Safier, B., 5699
Sagberg, A. E., 7573
Sager, C. J., 6874
St. Rukeyser, M., 1612
Sakellariou, G. T., 1851
Salfield, D. J., 4387, 4569, 7753
Salinger, M. D., Jr., 897
Salm, H., 1245
Saltz, E., 3361, 3986, 3987
Saltzman, I. J., 5623, 5630
Saltzman, M., 392
Saltzman, S. S., 8925(a)
Sal y Rosas, F., 4766, 8944, 8945
Salzer, H. M., 4590
Salzman, L., 2526, 8804
Salzy, P., 4149, 6675
Samenfeld, H. W., 6595
Samler, J., 4505
Sampson, H., 5116(t)
Samson, E. W., 7465
Sánchez-Hidalgo, E., 430, 2440, 2441, 4150, 6476
Sánchez Jiménez, J., 5751
Sanchez-Perez, J. M., 4741
Sanchez de Queiroz, C., 5545(b)
Sanddal, J. W., 3898
Sandeen, M. I., 8361
Sanders, A. F., 242
Sanders, I. T., 2442, 5929(b)
Sanders, R., 916, 2670
Sanderson, J. W., 1760(t)
Sandgren, D., 9066(a)
Sands, D. E., 1104
Sands, H. H., 642
Sands, I. J., 6194
Sandström, C. I., 363, 8322
Sanford, F. H., 5263
Sanford, R. N., 565, 7501
Santelli, F., 6762(b)
Santucci, H., 644
Saper, B., 1761(t)
Sapir, J. V., 2936
Sappenfield, B. R., 5681
Sarason, S. B., 2671, 2876, 2930, 6219(b), 8668
Sarbin, T. R., 5644
Sargent, H. D., 2672, 8702
Sargent, S. S., 708
Sarnoff, I., 7232
Sartre, J.-P., 5172
Saslow, G., 2814, 4521, 6138, 8702
Sastry, N. S. N., 7364
Sato, T., 522
Satter, G. A., 3571
Satterfield, V. B., 6315, 7797
Sattes, H., 6371
Sauaser, E. R., Jr., 9082
Saucer, R. T., 364
Saul, E. V., 9115
Saul, L. J., 461, 2256, 3913, 4723, 6411, 6416, 7547
Saumont, R., 7059
Saunders, D. R., 5795, 8495
Saupe, J. L., 3221, 3281
Sauthier, J., 1106
Sauvageot, A., 7466
Savage, I. R., 6702, 6807
Savat, A., 5009
Savatier, R., 825
Savin, S., 7669
Savitsky, E., 5779
Savvateev, V. B., 2225
Saxena, M. S. L., 7432
Sayles, L. R., 1642, 8219, 9098
Sayons, K., 3552, 4388
Sayons, Z., 4388
Scandrette, O. C., 6545
Scarborough, B. B., 8031
Scarr, E. H., 7548
Schacht, M., 1336, 7623
Schachter, M., 431, 2927
Schacter, N., 432
Schadewald, M., 4673
Schaefer, E., 2741
Schaefer, K. E., 365(a)
Schaeffer, M. S., 1762(t)
Schaerer, R. W., 2196
Schafer, R., 4389
Schaffer, H., 7884
Schaffer, L., 8771
Schaffer, R. H., 6663
Schaffler, T. R., 8629
Schaie, K. W., 2376
Schall, H. M., 4029(a)
Schapero, M., 3816
Scharfstein, B.-A., 187
Schauer, G., 6128
Schedel, F., 6929
Scheer, G., 3817, 8445
Scheerer, M., 4048
Scheflen, A. E., 2760, 3022, 3028, 6070, 6412
Scheidlinger, S., 2761, 6144, 6562
Scheier, I. H., 6734
Scheifele, M., 4907
Schein, E. H., 1763(t)
Schein, J., 5337
Schenk, V.-W.-D., 2958
Schenkel, K. F., 9088(a)
Schenker, A., 243
Scherer, I. W., 2673, 4468
Scherke, F., 433
Scherrer, J., 3717
Scherz, F. H., 4324
Schevill, W. E., 8458
Schiavi, F., 1241
Schick, A., 1402, 7754
Schiff, E. J., 1141
Schiff, H., 8630(a)
Schiff, H. M., 6226, 8576
Schilder, P., 6195
Schildge, E., 366
Schilf, E., 4627
Schiller, F., 188
Schiller, J. J., 7151
Schillinger, A. A., 915
Schimmenti, J. M., 7885
Schindler, W., 7624
Schipper, L. M., 3607
Schlaegel, T. F., Jr., 4094, 7935
Schlag, O. R., 3648
Schlanger, B. B., 2877, 6220, 6283
Schlegel, W. S., 2285
Schleh, E. C., 3362
Schlenk, D. M., 1481, 1653
Schlesser, G. E., 966
Schlosberg, H., 3695, 8509
Schlumberger, M., 6437
Schmaltz, G., 68, 6262, 7625
Schmeidler, G., 5682, 6438
Schmickel, B. W., 8825
Schmid, J., 5216
Schmideberg, M., 1246, 1293, 4469, 6008, 6316, 6317
Schmidl, F., 1337
Schmidt, D. P., 7180(a)
Schmidt, E., 4767
Schmidt, I., 2114, 3818
Schmidt, L. G., 6174
Schmitz, W. P., 6386
Schmolke, M. F., 1231
Schmuller, A. M., 8995
Schnadt, F., 967, 4674
Schneck, J. M., 434, 1073, 1074, 2182, 2257, 2762, 2763, 6413, 7202, 7626, 7755
Schneider, B., 8860
Schneider, D. E., 6622, 6624, 8152
Schneider, Eliezer, 5319(b), 6175(b)
Schneider, Ernst, 4390, 4612
Schneider, J., 236
Schneider, K., 1372, 6196
Schneider, L., 1516
Schneider, R. A., 3097
Schneider, S. F., 7627(a)
Schneiderman, L., 7365, 8847
Schneiders, A. A., 8273
Schnier, J., 4068
Schnitzer, S. B., 5517
Schnur, H. L., 4780
Schnur, R. R., 4780
Schnyder, P., 8946
Schoendube, R., 4103
Schoeneich, P., 6414
Schoenfeld, E., 9099
Schoenfeld, W. N., 3924
Schoening, J. K., 6967
Schoeppe, A., 645, 5752
Schofield, B., 3687
Schofield, W., 1075, 1683, 3445, 3446, 4303
Scholl, C. E., Jr., 1644
Scholl, G., 6455
Schomburg, E., 1076
Schoonover, S. K. M., 7303(a)
Schopbach, R. R., 3098
Schott, R., 1385
Schottlaender, F., 1077
Schpoont, S., 4374
Schrager, J., 7645
Schreider, E., 8317
Schreier, J., 709
Schreiner, L., 290(a), 5378, 6919
Schrier, H., 2764
Schroder, H. M., 8545
Schroeder, W. W., 1247
Schrupp, M. H., 3314
Schryver, S., 4304
Schubert, D. G., 1493, 3219, 6517, 7997
Schucker, R. E., 5631
Schuell, H., 1276, 2959
Schuetz, A., 4181
Schuknecht, H. F., 7057

Schuler, E. A., 1624
Schull, W. J., 4243
Schulte, W., 6439
Schultz, D. G., 1572, 6049, 8089
Schultz, I. J., 3363, 3364
Schultz, J. H., 1373, 2765, 4591, 6052
Schultz, K. L., 6239
Schultz, R. E., 8104
Schultz-Hencke, H., 222, 4470
Schultze, W., 5202
Schumacher, C. S., 5230(a)
Schuman, H. R., 3110
Schur, M., 6263
Schurmans, J., 1338
Schuz, J. W., 1177
Schwab, R. E., 9100
Schwab, R. S., 435, 5546
Schwartz, A., 2724, 3087
Schwartz, Arnold D., 2991
Schwartz, C. G., 8897
Schwartz, M. M., 4364
Schwartz, M. S., 6372
Schwartz, R., 4768
Schwartzman, C., 1543
Schwarz, B., 1422
Schwebel, M., 5994
Schweich, M., 1339
Schwellenbach, J. A., 7998
Schwendeman, J. R., 2442
Schwesinger, G. C., 5264
Scipione, A. M., 7999(b)
Sclare, A. B., 4522, 4701
Scobee, R. G., 8256
Scodel, A., 2443, 4724
Scolni, F., 6264(b)
Scott, C. W., 8000
Scott, E. M., 5703
Scott, J. P., 162, 436, 3444, 4161, 5350, 7366, 8472
Scott, J. S., 3144
Scott, L. F., 4095, 7304
Scott, M. G., 8991
Scott, P. D., 4626
Scott, P. M., 4805
Scott, R. B., 8610
Scott, W. A., 7433
Scott, W. H., 6664
Scott Blair, G. W., 2042
Scoville, W. B., 1340
Seacat, George F., 1764(t)
Seacat, Gloria, 3128
Sealander, J. A., Jr., 3886
Sears, P. S., 2347
Sears, R. R., 2347
Sears, Richard, 4471
Seashore, H. G., 1670, 1696, 3294, 3332, 3681
Seaver, M. A., 3479
Sebas, R., 8257
Secord, P. F., 2040, 4391, 5683, 6053
Seeger, C. M., 7449
Seeland, G., 7237
Seelbinder, B. M., 8231
Seely, C. S., 2445
Seeman, J., 1078
Seeman, M., 4151
Seeman, W., 1079, 2674
Segal, B., 2938
Ségal, J., 327, 367, 2115, 5462, 7019
Segel, D., 5852
Seggiaro, J. A., 1080
Segovia M., N., 1236
Seguin, C. A., 5044
Segy, L., 2304, 2501
Seidman, Jerome M., 5753, 6809
Seidman, Joel, 5034
Seidmann, R., 1348
Seigle, W. F., 3295
Seitz, P. F. D., 3099, 4094
Sekhar, A. C., 5173(b)
Selby, D., 7547
Seliger, R. V., 7798
Sellars, W., 69
Sells, S. B., 1626, 1629, 4399
Selover, M., 1580
Selye, H., 1968
Sem-Jacobsen, C. W., 7074(b)
Semmes, J., 3737
Semon, R. G., 6721(t)
Semrad, E. V., 7837
Sen, A., 1573, 7549
Sen, I., 646, 6748
Sen, J. M., 6596(b)
Sen, K., 7203
Senders, V. L., 2041, 5232
Senf, R., 7809
Seng, C. N., 9103
Senn, M. J. E., 647
Seredina, M. I., 8848
Serene, M. F., 1551
Serianni, E., 4200
Serog, M., 5649
Serra, M. C., 6516
Servadio, E., 321, 2502, 5700, 6265
Seaser, M., 1249
Sessions, A. D., 1560
Severson, A. L., 4796
Severy, J., 1374
Seward, J. P., 70, 3988, 3989, 5632, 5633
Sewell, W. H., 726, 8032
Sferra, A. G., 3435
Shacter, H., 7260
Shafer, J. N., 3887
Shaffer, L. F., 5320
Shagass, C., 6404
Shaklee, A. B., 7181
Shakow, D., 16
Shames, G. H., 4613, 4614
Shamir, A., 3296
Shanas, E., 662, 2377
Shands, H. C., 3029
Shane, H. G., 1452
Shapiro, D., 4152(a)
Shapiro, E., 6449
Shapiro, M. B., 4709, 7020, 8947
Shapiro, S. L., 388
Shapiro, T. R., 5096
Shapley, J. L., 6444
Shapley, L. S., 1897(a)
Sharlock, N., 7518
Sharma, D. L., 6623(b)
Sharp, W., 6544(b)
Sharp, W. R., 5833
Shaskan, D. M., 4153
Shatan, H., 1341
Shatin, L., 2675
Shatzky, J., 1906
Shaw, C. C., 7102
Shaw, F. J., 5995, 7468
Shaw, M. E., 8439
Shaw, W. A., 3990
Shears, L. W., 2348(a), 4892
Sheatsley, P. B., 8669
Sheed, F. J., 826
Sheehan, J. G., 2960, 7776
Sheffield, F. D., 5497
Sheikina, P. L., 5613
Sheimo, S. L., 6239
Sheldon, A., 6542
Sheldon, P. M., 7305
Sheldon, R. C., 871
Sheldon, W. D., 3220
Shellhammer, T. A., 3243
Shelly, J., 6266
Shelton, N. W., 3898
Shemiakin, F. N., 8334
Shepard, C. F., 5463
Shepler, B., 7555
Sheppard, D., 321, 2042, 6763, 7124
Sheppard, E., 7547
Sheppard, E. J., 7124
Shereshevski-Shere, E., 2939, 4592
Sherfey, M. J., 1250, 7869
Sherif, C. W., 2446
Sherif, M., 732, 2446, 7367, 7368, 7369
Sherman, H. L., 5464
Sherrick, C. E., Jr., 3738
Sherriffs, A. C., 854, 4629, 8044
Sherrill, H., 8593
Sherwin, A. C., 3030
Shibanov, A. A., 5292
Shields, J., 7306
Shilla, E., 2428
Shimamoto, T., 8378
Shimkin, M. B., 102
Shimmon, W. J., 8540(a)
Shina, L. C., 1613
Shiraki, H., 1427
Shirai, T., 4154
Shneidman, E. S., 2676, 2677, 2678
Shoben, E. J., Jr., 880, 1091, 2766, 4923, 7489, 8702
Shock, N. W., 667
Shontz, F. C., 3480(t), 8026
Shoobs, N. E., 1453
Shor, J., 3649, 4034
Shores, J. H., 3221
Shorr, J. E., 1110, 3914, 7550
Short, M. R., 3915(a)
Short, P. L., 542
Shostock, R., 3344
Shotwell, A. M., 6861
Showel, M., 803, 7434
Showstack, N., 2979
Shpil'berg, P. I., 3888
Shrewsbury, R. R., 3284
Shrikhande, S. S., 1857
Shriver, B. M., 2371, 2376
Shtark-Etan, H., 917
Shubik, M., 1897(a)
Shulman, B. H., 71, 1062
Shulman, H. M., 6310
Shuster, A. R., 393
Shuster, B. H., 393
Shustin, N. A., 5379
Sicher, L., 72
Sickert, I. O., 5302
Sidman, M., 3991, 3992
Siebeck, R., 8446(b)
Siegel, A. I., 366, 872, 2232, 3354, 3357, 3810, 5764
Siegel, E. L., 4675
Siegel, Elaine P., 4637
Siegel, Estelle, 672
Siegel, L., 6541
Siegel, P. S., 523
Siegenthaler, B. M., 8861
Sigel, H., 6947
Sigel, I. E., 8605
Sigl, A., 8926
Sikkink, D. E., 5950
Silence, M. J., 1494
Silfverskiöld, B. P., 1423
Silliman, L. R., 1617
Sills, F. D., 437
Silver, A. A., 6221
Silver, L. A., 6544(b)
Silverblatt, A. H., 8043
Silverman, A. J., 2379, 3081
Silverman, H., 4392(a)
Silverman, M., 666
Silverstein, B., 1442, 5970
Simberg, A. L., 370
Simchee, E., 4813
Simey, T. S., 827
Simmel, E., 73
Simmel, M. L., 2258
Simmons, M. M., 4630
Simon, A., 2919, 6197, 6925
Simon, B., 2606
Simon, F., 6644
Simon, G. B., 5073
Simon, J. Richard, 2183, 5618, 8489
Simon, Jean, 4860, 4861
Simon, Julie F., 6166
Simon, S. H., 4019(a)
Simon, W., 6920
Simon, Y. R., 2447
Simonov, P. V., 2942
Simonson, E., 2116, 3762, 5421
Simonton, T. E., 7069
Simpson, G. E., 789
Simpson, J. M., 651
Simpson, R. H., 3180, 3634, 5869, 7938
Sinclair, D. C., 2027, 7090
Singer, E. G., 3866
Singer, J. L., 2656, 2679, 6909, 8898
Singer, S. L., 1110
Singleton, W. T., 5547
Sinha, T. C., 770, 7756
Sinick, D., 918, 968
Sinnett, E. R., 4393(a)
Sinnott, E. W., 17
Sion, A., 1197
Sion, M., 4394
Sirjamaki, J., 5930
Sirmay, E. A., 8927
Sisler, G. C., 1424
Sisson, B. D., 7556
Sjöbring, H., 8899
Sjöhagen, A., 8849
Skatkov, M. E., 2843
Skeath, J. M., 8831(a)
Skellam, J. G., 144
Skiff, S., 3181
Skinner, B. F., 74, 5139
Skinner, J. C., 7872(a)
Skipkin, G. V., 8390
Skobba, J. S., 7683
Skulstad, A., 7573
Skultety, M., 3709(a)
Slack, C. W., 534, 5548
Slaon, W., 3664
Slater, E., 1342, 6198, 8387
Slater, P., 6808
Slater-Hammel, A. T., 3820, 5549
Slattery, M. J., 6519
Slavin, S., 2720
Slawson, S. R., 4472, 6139, 6140, 7628, 7629
Sleator, W., Jr., 3730
Slivinske, A. J., 9103
Sloan, L. L., 2117, 7021
Sloan, M. B., 4473
Sloan, N., 5380
Sloan, W., 7700
Slocum, H. M., 8490(a)
Slocum, W. L., 826
Slotkin, J. S., 771, 829
Sluckin, W., 3532, 5214, 5834
Slutzky, J. E., 1528
Smader, R., 5550
Small, L., 1120
Small, S. M., 2586
Smart, M., 2527
Smart, R., 2527
Smedslund, J., 525, 3993
Smeed, R. J., 9116(b)
Smet, W., 8273
Smirnov, A. A., 8338
Smirnov, V. M., 8541
Smith, A. Arthur, 3889
Smith, Alexander F., 9007(a)
Smith, Allan B., 9045(a)
Smith, B., 4599
Smith, Bruce L., 873
Smith, Bushnell, R., 6440
Smith, C. A. B., 145
Smith, C. C., 8755
Smith, C. E., 1264
Smith, C. W., Jr., 2528
Smith, D. E., 4862
Smith, Edgar A., 9033(a)
Smith, Elgie, 3032
Smith, Elizabeth, 3890
Smith, F. V., 2680, 5834
Smith, Floyd R., 9067(a)
Smith, G. H., 5465, 8632
Smith, G. J. W., 566, 5567, 6749, 7023
Smith, Henrietta T., 1765(t)
Smith, Henry, C., 4834
Smith, Henry P., 3222
Smith, Herbert L., 4280
Smith, J. H., 1659
Smith, J. M., 7631
Smith, Joann, 343, 6971
Smith, Joseph G., 2666
Smith, Karl U., 405, 2183, 5550
Smith, Keith, 3542
Smith, Kendon, 5517
Smith, L. H., 1166
Smith, L. J., 950
Smith, M. B., 5265
Smith, Madorah E., 5987
Smith, Mapheus, 2448
Smith, M. R., 9028
Smith, M. W., 2380
Smith, Moncrieff, 3841
Smith, O. J. M., 4949
Smith, P., 8280
Smith, P. C., 1660
Smith, P. H., 5471
Smith, P. R., 5066
Smith, R. T., 830
Smith, Robert G., Jr., 5074, 5075, 5824, 6217
Smith, S. M., 8391
Smith, T. Lynn, 2449
Smith, Thomas L., 3566
Smith, V. F., 4971
Smith, W. L., 3563
Smith, Walter, D., 1590
Smith, Wendell, 5542, 5551, 5552
Smith, William C., 648, 7136
Smith, William M., 5076
Smith, William M., Jr., 7322
Smitter, F., 3235, 3243, 6565
Smock, C. D., 2702
Smolic, N., 2043, 3231
Smucker, O., 5996(b)
Smythe, H. H., 5697
Smythies, J. R., 4676, 8510
Snell, B., 5971
Snide, J. D., 8545
Sniffen, R., 243
Snow, C. E., 2442
Snow, W. B., 6456
Snowden, J. G., 9068(a)
Snyder, D. F., 7655(a)
Snyder, E. E., 8052
Snyder, F. W., 823
Snyder, H. E., 772
Snyder, W. U., 6141, 8702
Soal, S. G., 2044, 5402
Soar, R. S., 3423(a)
Sobel, R., 2767
Sobol, A. L., 8732(a)
Society for Advancement of Management, 6697
Sodhi, K. S., 5835, 5898
Sokol, J., 6317
Sokolov, M. V., 8334
Sokolow, M., 4715
Solari, G., 6225

Solberg, P. A., 5931
Solem, A. R., 4155(a)
Solomon, A., 4474
Solomon, H. C., 291, 1011, 7631
Solomon, L, 1345
Solomon, R. L., 2233, 2234, 7182
Solomon, R. S., 146
Solow, R. A., 1343
Soloyanis, G., 8406(a)
Sommer, R., 7382
Sommers, M., 8747
Sommers, V. S., 4475
Soodel, B., 5972
Sonnenschein, R. R., 2010
Sontag, L. W., 1293, 6312
Sopchak, A. L., 909
Sorensen, R. C., 6319
Sorenson, A. G., 1565
Sorenson, H., 8966
Sorokin, P. A., 462, 5650(b), 8678
Sorsby, A., 7686(b), 8367
Sosberger-Stambak, M., 4770
Soskin, W. F., 4395, 7561
Southern Regional Education Board, 5321
Southern Society for Philosophy and Psychology, 5266
Souza, S. P., 1766(t)
Spache, G., 3223, 8001
Spaney, E., 4950, 7383
Spangler, H. S., 2136, 6485
Spanier, S. W., 7552
Spanovick, P., 493
Sparer, P. J., 4602
Spaulding, G., 1574, 1578, 4863, 8080, 8091
Spaulding, P. J., 7125(a)
Spears, E. B., 6544(b)
Spector, A. J., 4990
Spector, S. I., 8033
Speer, E., 2768
Speer, G. S., 7656
Speier, H., 2428
Spellman, H. H., 7435
Spence, K. W., 480, 536, 527, 2844, 7183
Spencer, M. M., 5384
Spengler, J. J., 4244
Speranskil, A., 1038
Sperling, D. S., 3931, 3932
Sperling, M., 4711, 6239, 6387
Sperling, S. J., 7126
Speroff, B. J., 1641, 2503, 5077, 8120
Spiegel, E. A., 322, 1344, 6199
Spiegel, J. P., 7436
Spiegel, L. A., 7630
Spiegelman, J. M., 1767(t), 2549, 2550
Spiel, O., 1454
Spiel, W., 65
Spielman, R., 7437(a)
Spiers, N., 5540
Spieth, W., 3966, 3994
Spilka, B., 5684
Spiro, M. E., 2504, 8633
Spitz, C., 18
Spitz, R. A., 649, 3650, 6267
Spoerl, D. T., 6054
Spohn, H. E., 8898
Spooner, D. C., Jr., 5045
Spooner, G. A., 5783
Spoor, A., 2065
Spotnitz, H., 2924
Spragg, S. D. S., 5303, 8461, 8462, 8492
Spratt, N. T., Jr., 1970
Spriegel, W. R., 6645
Spring, K. H., 1039
Springer, Donald A., 548
Springer, Doris, 5755
Sprowls, R. C., 147
Sprung, S. R., 7307(a)
Spurway, H., 2184, 2185, 3891
Squier, L. H., 5117(t)
Sroka, K., 898
Stacey, C. L., 1685, 2878, 7229, 7552, 7694, 8606
Stack, J. J., 6431
Staelens, A. N., 4396, 7249
Staffelbach, H. W., 5046
Stafford, E., 2118
Stafford-Clark, D., 1167
Stagner, R., 567, 695, 710, 3020, 3384
Stahler, N., 8491
Stainbrook, E., 919, 8878
Stamm, J. S., 2012, 3892
Standlee, L. S., 4325, 7989
Stanley, J. C., 1575, 3608, 6854, 7553
Stanley, W. C., 3695
Stanton, A. H., 1066, 1067, 8805
Stanton, H. R., 1619
Star, S. A., 7384
Starer, E., 7805
Stark, R., 5118(t)
Starr, A., 1106, 4476
Starr, P., 4400
Starzl, T. E., 2009
Statten, T., 4593(a)
Staub, E. M., 642
Staudt, V. M., 5286
Stauffacher, J. C., 2686, 4362
Stauffer, F. R., 3426
Staugas, L., 6609
Staver, N., 1196
Steadman, H. H., 1240
Stebbins, W. C., 5492, 5596
Stecher, S., 2955
Steckler, G. A., 3481(t), 7810
Steele, L. W., 3333
Steenbarger, C. J., 957
Steer, M. D., 856, 1442, 5684, 5970
Stehle, H. C., 1375, 7871
Steiger, R., 1083
Stein, A., 1345, 4484, 4485, 7609
Stein, B., 643
Stein, J. J., 1495
Stein, K. B., 4049
Stein, Martin H., 1251
Stein, Marvin, 5342
Stein, M. I., 4069, 7204
Stein, S. N., 2010
Steinberg, A., 4397
Steiner, B. J., 8114
Steiner, I. D., 2450
Steiner, L. R., 899
Steiner, M., 4077
Steinfeld, J. I., 3033
Steinhardt, R. W., 2384
Steinschneider, A., 1766(t)
Steinwall, O., 8793
Steinsor, B., 8280
Stekel, H., 1252
Stekel, W., 4594, 4595
Stellar, E., 7127
Stemmer, W., 1818
Stendler, C. B., 639, 8992
Stenstedt, A., 3034
Stephan, F. F., 711, 4182
Stephens, A. L., 3995(a)
Stephens, E., 1199, 6373
Stephens, E. A., 6320
Stephenson, W., 75, 6810
Stephenson, W. A., 7909
Sterba, R. F., 1084, 1376
Stern, A., 1085
Stern, Alfred, 5174
Stern, Alvin, 2119
Stern, E., 2681
Stern, Erich, 970, 971, 4477
Stern, I. D., 9109
Stern, J. A., 8392(a)
Stern, K., 7631
Stern, M. M., 3682, 4523
Sternberg, C., 9006(a)
Stevenin, P., 4478
Stevens, A., 3271
Stevens, G. D., 1526
Stevens, K. N., 2551, 3840
Stevens, L. B., 5631
Stevens, S. S., 5407(a)
Stevens, W. C., 6811(a)
Stevens, W. O., 5566, 7199
Stevens, W. R., 8258
Stevenson, G. H., 3035
Stevenson, G. S., 2381
Stevenson, H. W., 8542
Stevenson, I. P., 3100, 7886
Stevenson, J. A. F., 8900
Stevenson, M., 941
Steward, J. H., 4202
Stewart, A., 647, 7308
Stewart, D. A., 6268, 8850
Stewart, K., 7409
Stewart, Lawrence H., 4496
Stewart, Louis H., 5119(t)
Stewart, U. G., 2505
Stice, G. F., 5233, 5795, 6640
Stickel, E. G., 1769(t)
Stiel, A., 6355
Stierlin, H., 76
Stiff, M., 8709
Stiles, W. S., 2120, 6698
Stinson, M. B., 669
Stirling, P., 773
Stjernberg, F., 8901
Stocker, A., 8388
Stoddard, J., 3256
Stogdill, R. M., 831, 5836(b), 5932(b)
Stokes, A. B., 1328
Stokvis, B., 155, 3101, 6142
Stolnitz, J., 2305
Stolurow, L. M., 5635
Stolz, L. M., 5756
Stone, A., 5933
Stone, Calvin P., 3974, 5553, 5625
Stone, Carol L., 4096
Stone, G. R., 528, 1501
Stone, Gregory P., 774
Stone, H., 1770(t)
Stone, H. M., 3102
Stone, H. S., 6728(t)
Stone, J. A., 8699
Stone, L., 7467
Stone, P. M., 8733(a)
Stopol, M. S., 8734
Stör, F., 1661
Stora, R., 972, 973
Stordahl, K. E., 8785(a)
Stormeni, C. T., 4677
Story, T. M., 5014
Stotijn-Egge, S., 1200
Stotsky, B. A., 6027, 6101
Stott, D. H., 6321
Stouffer, S. A., 713, 2426, 4183
Stout, I. W., 8607
Stover, A., 5462
Stover, R. E., 8993
Strain, E. R., 7164
Straker, M., 2769
Strang, R., 2349, 3224, 3276, 6381, 8608
Strange, F. B., 3696, 4506
Strassman, G., 2005
Straus, J. H., 775
Straus, M. A., 775, 8662
Straus, R., 6546
Strauss, A., 7370
Strauss, E. B., 6200
Strauss, G., 1642
Strecker, E. A., 2770(a)
Strel'chuk, I. V., 8772
Strickland, B. A., Jr., 3862, 8606
Strickland, C. A., 8626
Strickland, F. L., 2586
Stride, E., 8794
Stringfellow, C. D., 7653
Strodtbeck, F. L., 4670
Stromberg, Eleroy L., 3680, 5466
Strömberg, Elinor, 6671
Strominger, J. L., 2011
Strong, E. K., Jr., 1121
Strong, O. S., 3712
Strong, P. N., 516
Stroo, H. H., 8931
Strother, C. R., 1529
Strother, G. B., 3697, 7554
Strotzka, H., 4479
Stroup, A. L., 5934
Struckett, P. B. A., 1346
Strughold, H., 2074, 8340
Strupp, H. H., 6729(t)
Stryker, S., 811
Stuart, A., 6812
Studer, O., 600
Stulliken, E. H., 6322
Stultz, K. F., 6985
Stump, N. F., 3427
Stumper, E., 4631
Stuntz, S. E., 5010
Stutsman, G., 5011(a)
Stutte, H., 6269
Suchman, E. A., 4893
Sucsek, R. F., 1771(t)
Sugar, O., 3713
Sugarman, L. A., 3145
Sugarman, L. P., 3321
Suhara, K., 6921
Sullenger, T. E., 2350
Sullivan, B. A., 1534, 3268, 6585
Sullivan, H. S., 1168
Sullivan, J. D., 3186
Sulzberger, C. F., 4156
Summers, R., 2552
Summerskill, J., 7233(a)
Sumner, F. C., 4045, 8027
Sundberg, N. D., 8735
Super, D. E., 165, 1122, 4496, 7648
Sušić, Z., 1425
Suslova, M. M., 5529
Sussman, M. B., 4245
Sustare, G., 92
Sutcliffe, J. P., 3998
Sutherland, J. D., 1939, 6143
Sutherland, Richard L., 7887
Sutherland, Robert L., 1517
Sutter, E. L., 3482(t)
Sutton, J. W., 3483
Sutton, M. A., 4358
Sutton, R. S., 6520, 8002
Sutton, W. A., Jr., 5935
Svendsen, B. B., 8807
Svenska Vanforevardens Centralkommittee, Stockholm, 8955
Swain, M. D., 2529
Swan, R., Jr., 8708(a)
Swander, D. V., 6987
Swann, L. A., 8259(b)
Swanson, C. E., 874, 2514
Swanson, G. E., 713, 5637
Swanson, L., 3245
Swartz, H., 8928
Swartz, M. B., 8736(a)
Swartz, P., 3739, 8492
Sweeny, M. E., 2344
Sweet, A. L., 2121, 4050
Sweet, B. S., 5120(t)
Sweet, W. H., 1212
Sweetland, A., 4398, 6813, 7555
Sweetser, F. L., Jr., 2553
Swensen, C. H., 3017, 4678
Swenson, E. J., 1455
Swindal, M. T., 8034, 8448
Swineford, F., 3297
Sydow, D. W., 8902(a)
Sykes, G., 2451
Symonds, C. P., 4772
Symonds, P. M., 3298
Symons, N. A., 8152
Szander, S., 6276(a)
Szasz, T. S., 4725
Szekely, L., 7128
Szondi, L., 4726
Szurek, S. A., 6239

Taaffe, A. A., 8266
Tabe, H., 2506
Tafejian, T. T., 6011
Taft, Ronald, 2530, 4246, 7185
Taft, Ruth, 2351
Taggart, A. D., 6144
Taggart, D. L., 4524
Tagiuri, R., 5838
Tait, A. T., 6044
Tait, E. F., 3821
Takahashi, Y., 8903
Takala, M., 6055, 6056
Taketani, M., 7191
Talan, L, 4773
Talbot, B., 7857
Tallaferro, A., 4596
Tallman, F. F., 1316
Tanaka, Y., 2452
Tandon, O. B., 1880
Tannenbaum, P. H., 8690(a)
Tannenbaum, R., 1610, 4143
Tanner, B. W., 4597(a)
Tanner, J. M., 6201
Tansley, A. G., 77
Tappan, P. W., 6323, 6324
Tarachow, S., 1377, 7632, 8570, 8634, 8635, 8636, 8637, 8740
Tarney, F., 7023(b)
Tarnopol, J., 5047
Tarnopol, L., 5047
Tarnower, W., 4480
Tarrell, P., 4109
Tasaki, I., 292(a), 2144, 5381, 8459
Tass, G., 7838
Tate, T. R., 3222
Tatum, A. E., 1630
Tauber, E. S., 2771
Taulbee, E. S., 7556
Tausch, R., 7024
Taver, G., 3359
Tax, S., 2453
Tayler, J. C., 5554
Taylor, B. N., 5048
Taylor, D. M., 8564(a)
Taylor, Erwin K., 112, 6624, 8846, 8152
Taylor, Eugene J., 4795
Taylor, F. K., 4157
Taylor, F. W. R., 389
Taylor, H L., 3762, 5330, 5421
Taylor, James W., 4051, 7908, 8943(a)
Taylor, Janet A., 2683, 2944
Taylor, Jean G., 1664
Taylor, John E., 8543(a)
Taylor, M. V., Jr., 5013
Taylor, M. Z., 3279
Taylor, S. H., 7647
Taylor, W., 5175
Taylor, W. F., 148, 3703, 8241, 8421
Taylor, W. M., 84

Tead, D., 776
Tear, D. G., 8993
Teicher, A., 4679(a)
Teicher, J. D., 650
Teilhard de Chardin, P., 78, 1796, 5839
Teirich, H. R., 439
Teitelbaum, P., 6730(t)
Templeton, R. C., 4399
Templin, M. C., 6284, 6285, 8003
ten Doesschate, J., 3758, 7025
Tennent, T., 1169
Tenney, A. M., 4513
Teony, J. W., 1443
Tennyson, W., 6009
Teplov, B. M., 8295
Terayama, K., 8909
Terman, R., 8272
Terrien, F. W., 4806
Terry, M. E., 111
Terry, R. A., 5685
Terwilliger, C., 2549, 2550
Terwilliger, W. B., 2857
Terzian, L. A., 8491
Teuber, H. L., 1296, 1407, 1426(a), 6956
Thackray, R. I., 1773(t)
Thaler, G. J., 149
Thaler, M. B., 3031, 8737(a)
Thelen, H. A., 7438
Theodorson, G. A., 2484, 5936
Theseleff, S., 8750
Thetford, P. E., 2145, 2146
Thibault, P., 8994
Thigpen, C. H., 6270, 7757
Thigpen, F. B., 6270
Thoma, G. E., Jr., 8300
Thomae, H., 7309
Thomas, C. A., 5007
Thomas, C. B., 4708
Thomas, G., 6625
Thomas, J. L., 7439
Thomas, M., 463
Thomas, Macklin, 4839
Thomas, Margaret, 842
Thomas, R. M., 8090
Thomas, W. R., 1086
Thompson, A. H., 92, 2475
Thompson, Charles E., 2940, 3103
Thompson, Clara, 19, 2772, 6145
Thompson, E. F., 8738(a)
Thompson, G. G., 738, 7388
Thompson, G. N., 2845, 4774, 6325
Thompson, H. V., 5555
Thompson, Jean P., 5556
Thompson, John E., 96
Thompson, K. W., 8618
Thompson, M. E., 5556
Thompson, Ray, 8065(a)
Thompson, Richard E., 6336
Thompson, Robert, 467, 488, 3997, 5608
Thompson, W. N., 5973
Thompson, W. R., 443, 5351, 5557, 8555
Thomson, C. W., 3996
Thomson, L. C., 2122
Thomson, M. M., 651
Thomson, R., 3532
Thorndike, R. L., 8078, 6814
Thorne, F. C., 323, 2567, 2773, 2879, 4598
Thorner, L., 2941
Thorpe, J. J., 4599
Thorpe, L. P., 8995
Thorsrud, E., 714
Thouless, R. H., 103, 5408
Thrall, R. M., 8289
Thrasher, J. D., 6544(b)
Thürlemann, M., 3205
Thurlow, W. R., 6993
Thurston, J. R., 7758(a)
Thurstone, L. L., 2286, 7371
Tibbitts, C., 4110, 5780
Tichy, F. Y., 2942
Ticknor, W., 485
Tiebout, H. M., 1087
Tiedeman, D. V., 974, 6815
Tietze, C., 5899
Tiffany, W. R., 3642, 5974
Tiffin, J., 1, 3385, 5193
Tiggy, E. L., 3710
Tillich, P., 12, 189
Tillmas, C., 1317
Tilton, J. W., 1496, 4951
Timme, A. R., 4774
Tinbergen, N., 2186
Tinkel, S. N., 9046
Tinker, M. A., 1407, 4841, 7026
Tintner, G., 5234
Tirrell, J. E., 8224
Titone, R., 900
Tizard, J., 2880, 8827
Tober, L. H., 3484(t)
Toby, J., 1518
Toch, H., 7372
Todd, E. W., 3485(t)
Toedt, T. A., 4991
Toeman, Z., 5840(b)
Tokuji, O., 7027
Tolbert, J. W., 1513
Tolhurst, G. C., 3428, 8452, 9105
Tolman, E. C., 5636
Tolman, R. S., 2631, 5322
Tolor, A., 7910
Tolsma, F. J., 4600
Tolstrup, K., 4727
Toman, W., 920
Tomas, C. L., 3617
Tomaszewski, T., 8339
Tomlinson, H., 5235
Tomlinson, W. B., 3856
Tompkins, W. F., 6224
Tonge, M. B., 1253
Tonndorf, J., 394, 2147, 2148, 2540
Topalis, M., 2529
Torgerson, W. S., 3609(a)
Torma, S., 8871
Törnqvist, L., 2455(a)
Torr, D. V., 6121
Torrance, E. P., 7490
Toulmin, S., 20
Tournay, A., 190, 253
Tourney, G., 4680
Tousey, R., 3429
Tow, P. M., 4775
Tower, L. E., 6876
Towner, L. W., Jr., 1576
Townsend, A., 1577, 1578, 1580, 3183, 3284, 4864, 4865, 4952
Townsend, G. E., 6146
Townsend, J. C., 1840
Toxer, A. H. D., 6597
Trabucchi, C., 234
Trabue, M. R., 4972
Tracht, V. S., 4776
Trachtman, A., 7701
Train, G. J., 4525, 7799
Tramer, M., 430, 6877, 8786
Travers, R. M. W., 1586, 8105
Traxler, A. E., 1579, 1580, 3182, 3183, 4065, 4953, 6816, 8004, 8091
Trehub, A., 6731(t)
Treloar, A. E., 2862
Trembath, M. F., 6172
Trembath, W. E., 7787
Tresselt, M. E., 370, 543, 681, 4686, 5651, 7186, 7557, 7558
Treudley, M. B., 2507
Tribe, D. E., 5558
Triedman, M. H., 5419
Trigg, F. O., 6878, 8006
Trim, J. L. M., 5964
Trincker, D., 8447(b)
Trist, E. L., 2415, 6653
Trites, D. K., 4399
Trosconi, V., 7103
Troshikhin, V. A., 5559, 8573
Trosman, H., 2613, 2614
Trotter, W. D., 7773(a)
Trow, W. C., 7948
Trowbridge, W. V., 1979, 4777
Truesdale, J. C., 4866(a)
Trumbull, R., 3225, 3226, 5589
Truxal, A. G., 2531
Tschechtelin, M. A., 6810
Tsukiyama, K., 7191
Tsung-yi Lin, 6202
Tu, L. Y., 8460(a)
Tucker, D., 294
Tucker, J. A., Jr., 5013
Tucker, L. R., 3610, 6817
Tuckman, J., 2382, 2383, 2384, 5781, 5782, 5783, 5870, 7323
Tufts College. Institute for Applied Experimental Psychology, 8260
Tukey, J. W., 6780, 7077
Tulane University. Department of Psychiatry and Neurology, 8904
Tumin, M. M., 4158,
Tunis, M. M., 8948
Tupes, E. C., 4992, 6647
Turbeville, G., 815
Turillazzi, M. S., 3073
Turner, H., 2361, 5784
Turner, R. H., 4209
Tustin, A., 79
Tuttle, W. W., 8481
Twaddell, W. F., 5560
Twichell, C. M., 1671
Tyler, D. W., 529, 3929
Tyler, F. T., 4030, 4973, 5706, 6057
Tyler, L. E., 5997
Tyson, I. M., 4867(a)

Uchimura, Y., 1427
Uexküll, T. V., 80
Ufland, I. M., 191
Uhlaner, J. E., 2123
Uhrbrock, R. S., 3365, 9089
Ujhely, V. A., 1254
Ulett, G. A., 1255, 3084, 3366, 4400, 5467
Ullman, A. D., 2943
Ullman, M., 3064
Ullmann, C. A., 8053
Ullmann, S., 568, 8691
Ulman, E., 1256
Underwood, B. J., 530, 531, 2235, 3999, 7142
Ungeheuer, H., 6929
Unger, D. M., 7911
Unger, R. M., 5442
United Nations, 6457
United Nations Educational, Scientific, and Cultural Organization, 2508, 6833
United Nations, Social Reference Centre, 8956
U. S. Bureau of Standards, 3611, 3612
U. S. Children's Bureau, 4097
U. S. Department Army. AGO. PRB, 6764, 6765, 6766, 6818, 6819, 6820, 6821, 6822, 6823, 7028, 7029, 7030, 7031, 7032, 7033, 7104, 7105, 7205, 7209, 7234, 7235, 7373, 7374, 7375, 7376, 7559, 7560, 8006, 8007, 8008, 8092, 8093, 8094, 8095, 8122, 8123, 8124, 8125, 8126, 8127, 8128, 8129, 8130, 8131, 8132, 8133, 8134, 8135, 8136, 8153, 8154, 8155, 8156, 8157, 8158, 8159, 8160, 8161, 8162, 8163, 8164, 8165, 8166, 8167, 8168, 8169, 8170, 8171, 8172, 8173, 8174, 8175, 8176, 8177, 8178, 8179, 8180, 8181, 8182, 8183, 8184, 8185, 8186, 8187, 8188, 8189, 8190, 8191, 8192, 8220, 8221, 8261, 8262, 8263
U. S. National Institute of Mental Health, 4159
U. S. National Science Foundation, 6834
U. S. Naval School of Aviation Medicine, 3492
Urban, H. J., 225
Urdal, A., 6932
Uribe Villegas, O., 715, 5937, 8638
Utecht, A. J., 3990

Vail, D., 1909
Valade, L. H. J., 8493(a)
Valdina, W. F., 3227
Valentine, L. D., Jr., 4827
Valentine, Max, 3069
Valentine, Milton, 2953
Valin, E., 8558
Valin, S., 6336
Vallejo Nájera, A., 2846
Vallon, J., 8860
van Albada, L. E. W., 3822
van Balen, G. F., 4526
van Bergen, G., 5900
Van Cleef, D., 1773(t)
Vandeberg, E., 1498
Vandenberg, J. D., 6700
van den Brink, G., 5418
Van den Tweel, —, 3893
van der Borght, H., 8660(b)
van der Heijden, P. M., 3334, 7502, 8137, 8193
Van der Hoop, J. H., 21
Van der Horst, L., 6374
van der Kloot, W. G., 2187, 3894
van der Kroef, J. M., 4210
VanderMeer, A. W., 1499, 6512
van der Merwe, A. B., 4702
Vanderplas, J. M., 5488, 9100
Van der Sterren, H. A., 3065
van Essen, J., 5242
van Harreveld, A., 2012
Van Heerden, D. F. I., 150
Vankan, J., 8656(b)
van Krevelen, D. A., 975, 976
Van Lennep, D. J., 4401(a), 4402
Van Liere, D. W., 7106
Van Pelt, S. J., 3104
Van Reeth, P. C., 7912
Van Riper, C., 6702
Van Wagenen, R. W., 832
Van Winkle, C. C., 2005
Van Zelst, R. H., 3386, 4403
Vargha, M., 3036, 4568, 7838
[Various], 226, 716
Varma, M., 921
Varon, E., 4481, 6331
Vasilas, J. N., 3430
Vaisuro, E. G., 5292
Vavra, L. R., 6699
Vázquez-Calcerrada, P. B., 4211
Veatch, J., 7206, 8511(a)
Vedder, C. B., 2960
Vegro, G. R., 3026
Veillard, M., 4632
Venn, L. C., 5014
Verdeaux, G., 3415
Verdeaux, J., 3415
Vermilyea, F. D., 2956
Vernallis, F. F., 8851(a)
Vernant, J.-P., 777
Vernon, J. A., 3740
Vernon, M. D., 3228, 6521
Vernon, P. E., 2684, 5132, 5686
Veroff, J., 1519
Verplanck, W. S., 3823, 5561
Versace, J., 3736
Vértes, J. O., 2944
Vervaeck, M., 5079
Verzeano, M., 1980, 1981
Vetter, A., 4160
Vianna Guerra, C., 6058(b)
Viaud, G., 440
Vickery, A., 1232
Vicroy, F. M., 8679(a)
Victor, M., 6271(a)
Victoria University College, New Zealand. Department of Psychology, 833
Victoroff, D., 5293
Viglietti, M., 8787
Villemonte, J. R., 3870
Vinacke, W. E., 7385
Vince, M. A., 3895
Vincent, A., 4820
Vincent, D. F., 3613
Vincent, V. E., 2344
Vineberg, R., 7187
Vinogradov, N. V., 8905
Vinson, D. B., Jr., 3037
Violette, R., 4868
Visco, S., 22
Viteles, M. S., 5049, 8222
Vivas, E., 5701
Vladimirov, G. E., 3714
Vles, S. J., 7361
Voas, R. B., 1774(t)
Voegelin, C. F., 3483
Vogel, P., 6855
Vogel, S., 7759
Vogel, V. H., 7745
Voges, W., 8406(b)
Vogt, C., 1347, 3038
Vogt, M., 1968
Vogt, O., 1347, 3038
Voisin, P., 3367
Volkewich, V. L., 1971
Völgyesi, F. A., 6147
Volkmann, J., 3422
Volkova, V. D., 8609
Vollmer, H. M., 4247
Volvodina, O. N., 5193
von Baeyer, W., 4681
von Bahr, G., 3824
von Berger, G. P., 2003
von Buddenbrock, W., 5382, 7107
von Buttlar-Brentano, K., 1348
Vonderahe, A. R., 5373
von Ditfurth, H., 3066, 7839
von Eckardt, M., 5998
von Fieandt, K., 4212
von Foerster, H., 1799
von Gebsattel, V. E., 441, 4482
von Holst, E., 293
Von Mering, O., 7821(a)
von Poletika, W., 778
von Saint Paul, U., 3825
von Sassen, G., 82
von Sassen, H. W., 81
von Siebenthal, W., 5652
von Stockert, F. G., 4527
von Storch, T. J. C., 3075
von Studnitz, G., 7034
von Tschermak-Seysenegg, A., 3826
von Uexküll, T., 8429(b)
von Wiese, L., 4869, 5871(b)
von Wright, G. H., 5194
Voorhees, W. D., Jr., 6272(a)

Vooys, C. J., 1940
Vordenberg, W., 901
Vorhaus, P. G., 2588, 2678
Voronin, L. G., 6544
Vosk, M., 7410
Voss, R., 1428
Voth, H. M., 9090
Votos, A. S., 4528
Vraa-Jensen, G., 3133
Vrieze, J. W., 4261(a)
Vujić, V., 1376
Vuyk, R., 2685

Waal, N., 6148
Wachsler, N. F., 4974
Wachspress, M., 2945
Waggoner, W. G., 9101
Wagley, C., 779, 2509
Wagman, I. H., 254(a), 8574
Wagner, H., 2259
Wagner, H. G., 2084(a)
Wagner, L. D., 1561
Wagner-Simon, T., 3651
Wahl, C. W., 7840
Wakabayashi, M., 8393
Walch, R., 3123
Wald, G., 346, 347, 5469, 5470, 5471, 7035
Wald, R. M., 9091(a)
Walder, H., 1299
Waldrop, F. N., 2967
Waldstein, D., 2510
Walk, A., 5243
Walker, A. E., 3134, 5367
Walker, E. L., 7524, 9009(a)
Walker, G. H., 6222
Walker, H. M., 1898
Walker, J. W., 5341
Walker, R., 6012
Walker, Robert G., 6059
Walker, R. N., 9047
Walker, W. B., 5015
Wall, J. H., 3039, 7749
Wall, P. D., 294, 6922
Wall, W. D., 6477, 6522
Wallace, H. M., 4908, 7936
Wallace, S. R., Jr., 1671
Wallach, H., 2124, 3827
Wallerstein, H., 6404
Wallerstein, R. S., 7887
Wallin, J. E. W., 3266
Wallin, P., 4184, 4247
Wallin, W. K., 2350
Wallis, V., 6544(b)
Wallner, J. M., 3002
Walton, H., 1819, 3682
Walsh, E. A., 889
Walsh, E. G., 371, 2013
Walsh, M. E., 6555
Walshe, F. M. R., 295(a)
Walston, C. E., 6701
Walter, F. X., 6957
Walter, K., 7913
Walter, W. G., 2014
Walters, A., 8273
Walters, C. E., 3229, 6530
Walters, R. H., 6327
Walther, L., 4339, 5080, 8467
Walther, R., 4483, 4682
Walton, J. N., 4778
Waltrip, O. H., 3662
Wandt, E., 3312, 4975
Wanecke, O., 4728
Wang, R. I. H., 2004
Wang, S. C., 2015
Wann, K. D., 4846, 7949
Wapner, S., 5396, 7036, 7040, 8566
Ward, J. H., Jr., 3486(t), 5218
Ward, Wallace, D., 1775(t)
Ward, William D., 4954(a)
Wardrop, J. C., 5562
Warne, M. M., 1088
Warner, M. H., 2532
Warner, W. L., 2456, 2532
Warren, C. E., 5182, 5195, 6701, 6754
Warren, J. M., 3828, 3829, 5409, 5563
Warren, M. W., 1429
Warren, W., 1107
Warrick, M. J., 6702
Wartegg, E., 6060
Waterbury, L. E., 3447
Waterhouse, I. K., 2287, 3901, 5180
Waters, E. W., 1520
Watkins, J. G., 2686, 8702
Watson, C. W., 1430
Watson, David L., 1820
Watson, Dorothy J., 4052(a)
Watson, G., 6523
Watson, J. B., 5841
Watson, L. F., 2511(a)
Watson, P. D., 3964
Watson, R. H. J., 5564(a)
Watson, R. I., 3109, 4924, 5323
Wattenberg, W. W., 1300, 4633, 5999, 6328, 7800, 8066, 8852
Watters, G. V., 227
Watts, B. M., 1170
Watts, C. A. H., 1170
Watts, K. P., 5659, 9048
Waugh, F. V., 1865
Way, H. H., 8788(a), 8789(a)
Wayne, G. J., 1089
Wayne, H. L., 6923
Weale, R. A., 372, 2125, 7037, 7038, 7039(a)
Wear, B. A., 6536
Weaver, D., 1478
Weaver, H. E., 3963
Weaver, W., 7468
Webb, H. M., 8361
Webb, S. C., 6598
Webb, W. B., 1662, 2687, 4000, 8623
Webber, I. L., 5785
Weber, A., 1257
Weber, C. A., 3315
Weber, H., 7210
Weber, L. C., 2688, 6329(b)
Weber, R. J., 6524
Webster, H., 3614
Webster, J. C., 7070(a)
Webster, J. E., 7898
Wechsberg, P., 307, 1964
Wechsler, I. S., 296
Weddell, G., 2027, 7090
Wedemeyer, B., 7562
Wedge, B. M., 3280
Weeks, H. A., 4634
Wees, W. R., 1456
Wegener, H., 1258
Weidemann, W., 6767
Weigand, G., 1500
Weigert, E., 5324
Weihofen, H., 3661, 6300
Weil, A. P., 3040, 7310
Weil, B., 7914
Weil, J., 2385
Weiland, I. H., 7308
Weinberg, A. A., 2512, 5938
Weiner, B. B., 1530, 8828
Weiner, M., 780
Weingarten, K. P., 7657
Weingold, J. T., 2881
Weininger, O., 3896, 3897, 6892
Weinland, J. D., 83
Weinreb, J., 3316
Weinrich, E., 8043
Weinroth, L. A., 6415
Weinstein, E. A., 1431, 3145, 4719, 7774
Weinstein, J. H., 2762
Weinstein, M., 7176(t)
Weir, J. R., 1777(t)
Weisgerber, C. A., 954, 7236
Weismann, D. L., 4282(a)
Weiss, E., 3105, 6389, 6416
Weiss, H. S., 8264
Weiss, J., 2966, 4070
Weiss, L., 1899
Weiss, W., 537, 2554
Weisser, G., 8639
Weisskopf-Joelson, E. A., 977, 2689, 6149
Weissmann, S., 6403
Weitbrecht, H. J., 3041, 7915
Weitz, J., 1672, 6223
Weitzenhoffer, A. M., 5565
Welch, L., 2236, 8395
Welch, L. T., 652
Weld, H. P., 8280
Weldon, R. J., 1778(t), 3969
Welford, A. T., 5511, 5566
Wellek, A., 4020
Weller, M. F., 4792
Wellisz, S., 6665
Wells, C. A., 8009
Wells, H., 316
Wells, M. C., 4925
Welsch, E. E., 2352
Wenar, C., 8957
Wendel, L., 2847
Wender, L., 4484, 4485
Wendland, L. V., 6438
Wendt, C.-F., 6390
Wendt, G. R., 2137
Wendt, H., 1259, 1432
Wendt, W. E., 7000
Wengraf, F., 4729
Weniger, E., 1437
Wentworth, P., 3368
Wenzel, B. M., 5410
Wenzel, E., 4486
Wenzl, A., 8010
Wepman, J. M., 1277, 3898
Werner, H., 4870, 5396, 5707, 7036, 7040
Werntz, J. D., 7188(a)
Wert, J. E., 6824
Wertham, F., 6547
Wertheimer, M., 2690, 3741, 6709
Wertheimer, N., 243
Weschler, I. R., 733, 1610, 4143, 9096
Wesley, C. H., 4248
Wesley, E. L., 569
Wesley, N. E., 373
Weaman, A. G., 1900, 1901, 2805, 3284
Wessel, S. L., 6010
West, D. J., 5411
West, Leonard J., 4871(a), 6478
West, Louis J., 2891
West, M., 7469
West, R. L., 4976
Westbrook, C. H., 4529
Westerfeld, W. W., 3698
Western Psychological Association, 5267
Westheimer, G., 3830
Westie, F. R., 734, 781, 8640(a)
Westlake, H., 3167, 4909
Westley, W. A., 3448
Westoff, C. F., 2533, 4249, 4250
Weston, G. L., 4850
Weston, H. C., 5081, 5472, 7041, 8265
Westrope, M. R., 6061
Westwood, G., 2946
Wever, E. G., 7071, 7072
Wexler, Milton, 1349
Wexler, Murray, 2599, 3042
Weybrew, B. B., 3353
Weyker, G., 1102
Weyts, J., 8656(b)
Whalen, T., 7760
Wharton, L. H., 8853(a)
Wheeler, F., 114
Wheeler, W. M., 2744
Whelpton, P. K., 4249
Wherry, R. J., 1902, 5872(b)
Whipple, J. E., 7155
Whitaker, C. A., 2774
White, A. A., 4487
White, A. G., 3106
White, A. M., 6067
White, B. W., 3742(a)
White, Carroll T., 7042
White, Charles E., 7073
White, C. S., 255
White, H. D., 4021
White, J. C., 1212, 6924
White, J. S., 601
White, P. T., 7074(b)
White, R. K., 875
White, R. T., 4001(a)
White, W. J., 6702
Whitehill, A. M., Jr., 3335
Whitehorn, J. C., 1090, 8356
Whitehouse, F. A., 1444, 4779, 6459
Whitehouse, H. L. K., 3899
Whitehurst, K. E., 1779(t)
Whiteside, T. D. C., 974
Whitfield, J. W., 1903
Whitfield, R. P., 1591
Whiting, B. B., 2273
Whiting, John W. M., 782, 2268, 2347
Whiting, Joseph F., 7470(a)
Whitla, D. K., 8224
Whitlock, D. G., 2009
Whitmyre, J. W., 7563
Whitney, E. A., 2882, 6829
Whittemore, I. C., 238
Whitteridge, D., 6906(a)
Whittier, H. B., 6330
Whittle, P., 151
Whittow, G. C., 7148(a)
Whitty, C. W. M., 3143, 4775
Whorf, B. L., 5176
Wick, W. A., 5177
Wickens, D. D., 503, 1501, 8545
Wiebe, G. D., 7386
Wiedorn, W. S., 7684
Wiener, D. N., 5325
Wiener, M., 2245
Wiener, N., 2126, 2648, 5294
Wiener, P. P., 1021
Wiersma, C. A. G., 3715
Wiersma, D., 4022
Wijsenbeck, H., 1171
Wike, E. L., 1780(t), 7189
Wikler, A., 7761
Wilcott, R. C., 1781(t), 7190
Wilcox, E. J., 4098(a)
Wilcox, P. H., 6150, 8773
Wilcox, S., 1519
Wilcoxon, H. C., 3431
Wild, J., 5178
Wilder, J., 4488, 7888
Wildervanck, L. S., 6460
Wilensky, H., 6909
Wiles, K., 8106
Wilkie, J. S., 297
Wilking, V., 8593
Wilkins, W. L., 1172, 8702
Wilkinson, B., 8194
Wilkinson, D. H., 5567
Wilkinson, F. R., 325, 2050, 7043
Wilkinson, G. E., 8998(a)
Wilkinson, R. T., 8422
Will, G. T., 6372
Will, O. A., 4489
Willard, C. B., 1502
Willems, E., 2534
Willerman, B., 3245
Willey, C. F., 6825
Williams, A. C., Jr., 6691
Williams, C. M., 2187, 3894
Williams, D. E., 7775(a)
Williams, E. J., 6318
Williams, Edgar G., 8138
Williams, Elizabeth, 4161
Williams, G. W., 1941
Williams, H. E., 1538
Williams, H. L., 4404
Williams, H. V., 4955, 8565
Williams, J. E., 6599
Williams, J. Robert, 1201
Williams, Jonathan M., 1108, 4683, 6448
Williams, Judith R., 8610
Williams, Robert J., 4185(a)
Williams, Robin M., Jr., 4893
Williams, Roger J., 1800
Williams, S. J., 3432
Williamson, D. I., 5568(a)
Williamson, Dale C., 4162
Williamson, E. G., 5098
Williamson, P. B., 4977
Willis, E. R., 5406, 5543, 6946, 6948
Willner, A. E., 1782(t)
Willner, G., 1091
Wilmer, H. A., 6062, 7889
Wilson, A. T. M., 6626
Wilson, C. L., 8641(a)
Wilson, D. K., 5975
Wilson, David C., 3493, 4601
Wilson, D. V., 3168
Wilson, Earl H., 4875
Wilson, Edna A., 3841
Wilson, I. B., 278
Wilson, J. T., 5326
Wilson, J. W., 7503
Wilson, K. M., 974
Wilson, L. J., 8225
Wilson, M. D., 4895, 6176
Wilson, M. O., 7369
Wilson, M. P., 4002
Wilson, M. S., 4894
Wilson, N. A. B., 6703
Wilson, N. E., 6544(b)
Wilson, R. C., 3392, 5041, 5050, 5653
Wilson, V. J., 5403
Wilson, V. W., 7653
Wilson, W. P., 7841
Wilson, W. W., 6375
Winch, R. F., 570, 5939
Winder, C. L., 3002, 8865
Windle, C., 2695, 3043
Winebrenner, M. R., 4872
Wineman, D., 1953, 2798
Winer, B. J., 1902
Winfield, D. L., 4602, 6063
Wing, K. G., 5462
Wingert, J. W., 3336, 8306
Winkelman, J. E., 3831
Winkler, W. T., 8854
Winkley, R., 4099, 8917
Winn, A., 5051
Winne, J. F., 2673, 4405, 4468
Winnicott, D. W., 2353, 2354
Winnik, Z. H., 1173, 2692
Winokur, G., 1255
Winstanley, N. B., Jr., 8226
Winstel, B. R., 6167
Winston, J., 2143
Winterbottom, M. R., 4100(a), 8350

Winters, J. H., 9117
Winthrop, H., 4124
Wippermann, E. M., 1076
Wirt, R. D. 6064
Wirth, A., 6980, 7044, 7045
Wirth, L., 676
Wisdom, J. O., 1942, 3107
Wise, L. J., 6239
Wise, R. A., 7050
Wiseman, S., 2261, 8739
Wisham, W. W., 6113, 7674
Wishik, S. M., 5483, 6054
Wishner, J., 2288
Wispé, L. G., 1503, 3743
Withall, J., 7377
Witney, S., 5800, 5801, 7387, 8208
Witkin, H. A., 5473, 8566
Witryol, S. L., 735, 7388
Wittenberg, R. M., 5757
Wittenborn, J. R., 2806, 2817, 6124
Witter, H., 1433
Wittgenstein, L., 1801
Wittkower, E. D., 1403, 8246
Wittson, C. L., 909, 7686
Witty, P., 1531, 6011, 6997, 9019
Wiznia, B., 1068
Wodinsky, J., 532, 5895
Wohlfart, G., 1276
Wolberg, L. R., 8774
Wolf, A., 4163
Wolf, E., 1301
Wolf, I., 6732(t)
Wolf, J., 6733(t)
Wolf, K. M., 647, 653
Wolf, Stanley, 7703
Wolf, Stewart, 1382, 3100, 7675(b)
Wolfe, R. N., 5474
Wolfenstein, C. M., 6159
Wolfenstein, M., 654, 7311
Wolff, D., 3843
Wolff, E., 7842
Wolff, H. G., 1382, 4730, 6938 7916, 8948
Wolff, W. M., 6739(a)
Wolffheim, N., 2775, 5758, 6273
Wolfle, D., 5099
Wollman, B., 192
Wolman, B., 6750
Wolpe, J., 4003, 4004
Wolstein B., 4490
Womack, H. L., 473
Wonderlic, E. F., 5052
Wood, E. D., 5071
Wood, E. V., 3384
Wood, H. B., 108, 5303
Wood, M. M., 2947
Wood, V., 922
Woodbury, J. Walter, 298(a)
Woodbury, Johnson, 3418
Woodbury, R. B., 2442
Woodger, J. H., 23, 1841
Woods, E. L., 7276
Woods, I. A., 2123
Woods, J. H., 2386
Woods, W. A., 1504
Woodward, John, 6782
Woodward, Julian L., 4807
Woodward, L. E., 634
Woodworth, R. S., 1802
Woolf, A. L., 6425
Woolf, H., 6065
Woolf, J. A., 6382
Woolf, M. D., 6382
Woolf, P. J., 7275
Woolley, L. F., 1092, 1350
Woolsey, C. N., 274(a)
Woolworth, W. G., 6012
Worcester, D. A., 6055
Worchel, P., 5386, 5637, 6443
Worden, A. N., 3618
World Federation for Mental Health, 3623
World Health Organization Division of Public Information, 7312, 7762
World Health Organization. Expert Committee on Mental Health, 8808
Wormer, E., 3369
Wormhoudt, A., 3230
Worringer, W., 8702
Wortis, H. Z., 1532, 8043
Wortis, J., 1093, 2849, 2850, 5295, 6203(a), 7703
Wortz, E. C., 529, 4005, 5594
Wray, D., 8284
Wrenn, C. G., 923, 6000, 6001, 6835
Wretmark, G., 3108
Wright, B. A., 3147
Wright, E. U., 4978
Wright, H. W., 8296
Wright, J. T., 933
Wright, K. W., 4491
Wright, Marjorie E., 7704
Wright, Mary, E., 3435
Wright, R. W., 9010(a)
Wrightstone, J. W., 1526, 1567, 6531(b)
Wrigley, J., 2361
Wulfeck, J. W., 8323
Wulff, M., 4703
Wurster, C. R., 671, 717, 1594, 1595
Wurzbacher, G., 8680
Wustenberg, W., 6978
Wyatt, F., 902, 1957, 2693, 3916, 7250, 7491
Wyatt, S., 1663
Wycis, H. T., 322, 1344
Wyckoff, L. B., Jr., 533, 8546
Wylie, J. A., 835
Wylie, P., 1803
Wyndham, A. J., 3320
Wynne, L. C., 2233, 2234
Wyrsch, J., 4638

Yacorzynski, G. K., 8343
Yale Center of Alcohol Studies, 1260
Yamada, S., 8393
Yarnold, J. K., 944
Yarrow, L. J., 8855
Yaskin, J. C., 6441
Yates, A., 6066
Yeager, C. L., 6925
Yee, F. Y., 1783(t)
Yela, M., 2127
Yi-Chuang Lu, 4251
Yinger, J. M., 769
Yoder, D., 5031
Yoffey, J. M., 1972
Yokose, Z., 375
Yoshida, M., 5638
Yoshie, N., 7027
Yoshii, N., 7191
Yoshikawa, H., 8909
Yost, O. R., 6204
Youmans, E. G., 4896(a)
Young, Florence M., 8929
Young, Francis A., 5435, 5503, 8034, 8446
Young, Freda, 3169
Young, J. Z., 278, 1799
Young, James D., 6525
Young, James N., 4252
Young, K., 229, 4253
Young, L., 7440
Young, Marguerite L., 5326
Young, Marjorie A. C., 3170
Young, N., 571
Young, O. G., 8471, 8998(a)
Young, P. C., 925
Young, P. T., 1842, 3699, 3700
Young, R. A., 2795
Young, R. L., 8239
Young, W. C., 403
Youngs, J. P., Jr., 6555
Yousem, H., 2033
Youtz, R. P., 3430, 5303
Yuguchi, K., 7046(b)

Zabarenko, R. N., 3068
Zakolski, F. C., 7801
Zachert, V., 5016, 5017
Zagorul'ko, L. T., 5383
Zajac, J. L., 2128
Zambianchi, A., 1359
Zander, A., 2395, 3542, 8842
Zangwill, O. L., 6376, 6442
Zaniewski, R., 7950
Zapoleon, M. W., 4507
Zaragoza, J., 978, 5560
Zarling, V. R., 8949
Zarrow, M. X., 256
Zazzo, R., 193, 230, 1458, 3683, 4770, 4806, 5873(b)
Zderad, L. T., 8013
Zeaman, D., 2237, 5639
Zebrowska, M., 5327
Zecca, G., 3891, 7717
Zeckel, A., 1387, 1445
Zedler, E. Y., 3487(t)
Zeeman, W. P. C., 2129
Zehnder, J., 7705
Zeichner, A. M., 4684(a)
Zeidner, J., 2123
Zelen, S. L., 2694, 5675, 7776
Zeleny, C. E., 4963
Zeleny, L. D., 5842(b), 5843(b)
Zeleny, M. P., 1060
Zeliga, D. F., 655, 2306
Zeliga, R., 5759
Zellermayer, J., 2948
Zeman, F. D., 2284
Zemlick, M. J., 3109
Zentner, A. S., 1404
Zentner, H., 7378(a)
Zerbe, J., 2062
Zetzel, E. R., 231
Zhabotinskii, Iu. M., 2016
Ziegler, J. E., 8226
Zierer, E., 3776
Ziese, G., 1351, 4685
Zilaitis, V., 7815
Zilboorg, G., 1943, 5140, 8875
Zill, A., 8195
Zimmerman, B., 779
Zimmerman, F. T., 2355
Zimmerman, H. M., 8999
Zimmerman, I. E., 1784(t)
Zimmerman, K. A., 8107
Zimmerman, W. S., 1904, 5236, 8139
Zimny, G. H., 8547(a)
Zinina, N. V., 8613
Zinnecker, K. S., 376
Ziolko, H. U., 4023
Ziskind, E., 8809
Zook, L., 1785(t)
Zotterman, Y., 2045
Zubek, J. P., 2046
Zubin, J., 906, 1094, 2895, 6124
Züblin, W., 1202
Zucker, L., 1352
Zuckerman, J. V., 1631, 6526
Zuckerman, M., 4686
Zuckerman, S. B., 6330
Zuflick, L. L., 4897(a)
Zulliger, H., 2696, 4603, 6067, 6068, 7313, 7648
Zumini, G., 2238
Zurukzoglu, S., 718
Zutt, J., 323, 1379, 2949
Zvonarević, M., 3533
Zweifel, R. L., 5196
Zwialocki, J., 2149, 2150, 3844

SUBJECT INDEX[1]

Abbreviations, psychological, 5304
Ability, Ceylonese students, 8658
& creativeness, 4022
evaluative, factor analysis, 9081
factor analysis, 8077
geographic differences, 7224
manual, tests for, 8467
mental, factors, speeded tests, 3471(t)
motor, test, review, 5556
quantitative, & linguistic, & personality, 4043
seasonal fluctuation, recruits, 8628
spatial relations, 5656
structure of, 5686
superior, children, 5751
topographic orientation, 8496
verbal, fluency, 5658
vs. numerical, in school achievement, 4865
Abnormal psychology, & culture conflict, 5796(b)
research, Great Britain, 6179
review (1953), 6190
Abortion, desire for, psychodynamics, 3096
legal, mental sequelae, 8834
& mother-child relations, 8583
therapeutic, textbook, 7883
Abraham, K., selected papers, 1915
Abreaction, & dreams, 2739
Absenteeism, & economic conditions, 1596
& employee attitudes, 8249
industry, factors in, 6658
statistical analysis of, 3400, 3420
Abstract, attitude, & cerebral cortex, 264
Abstraction, ability, child, 8605
& blood pressure, schizophrenia, 7831
& empathy, in art, 5702
Acalulia, treatment, conditioning, 4568
Acceleration, centrifugal, adaptation, 6941(a)
-deceleration, oculogyral illusion, 2075
& nystagmus, intensity & duration, 6983
radial, & nystagmus, 2137
& reaching movements, 3392
tolerance variations, 3426
tolerance to G, 8228
Accident, aircraft, human factors, 5078
industrial, human factors, 3407
psychological functions, 6653
near-, aircraft, human factors, 3430
truck drivers, 5067
personal history, 6695
Accident proneness, auto drivers, 3432
child, & personality, 628
children, 8593
& empathic ability, 5077
investigation techniques, 1654
statistical estimating, 1646, 1662
Accommodation, & asymmetric convergence, 362
in bright visual field, 374
chloroquine effects, 6967
& ciliary ganglion, 7000
convergence, in intoxication, 7007(b)
relations, 3821
time characteristics, 3746
& eye focus, 3830
in fish, 6977(a)
& flicker fusion frequency, 3753
reflex, & color vision, 6974
minimum stimulus, 6964(a)
research in, 340
residual, 3811
& cycloplegic, 2060
& visual performance, 3751
Accounting, achievement, prediction, 1479
Acculturation, Lithuanians, in U. S., 2421(a)
Northern Ibo, 2511(a)
Accuracy, vs. speed, performance, 2166
Acetylcholine, in anxiety treatment, 1236
in brain, 259
in psychoneurosis, 6379
shock therapy, 1214
Acetycholinesterase, activity, brain, & behavior, 6894
Achievement, academic, & attitude questionnaire, 1572
& basic flight training, 3404
& creative activities, 8511(a)
of feebleminded, 4530
& goal aspiration, 1500
non-intellectual factors, 3212
& personality, 1683
prediction, & temperament, 4954(a)
variables, 4928(a), 4929(a)
science, prediction, 4926(a)
vitamins, 3191(a)
age, 4106
& classroom social structure, 4815
vs. correspondence, 7904
college, aptitude test, 1560
counseling &, 1542
& Graduate Record Examination, 6589
non-intellectual factors, 3187
prediction of, 9045(a)
& Rorschach responses, 4858
& vocabulary scores, 7552
communication officer course, 4827
engineering, & personality, 3282(a)
foreign language, prediction, 3214
tests, 4842
graduate student, prediction, 4833
machine tabulating course, 8165
mathematics, prediction, 3209
measuring, knowledge vs. application, 4862
motivation, & self concept, 7226(a)
test measure, 4378
motive, women students, 1519
need, & interrupted task recall, 7168
& personality, engineering student, 8970(a)
& physical proficiency, 8095
physics, & scholastic background, 7951
prediction, by teachers' mark, 8060
scale, high school, 1563
scholastic, & classroom organization, 6572
factor analysis, 1552
& frustrations, 4083(a)
& Index of Industriousness, 6503
& instructor evaluation, 4956
& interests, 1560
in mixed grades, 6479
& occupational interests, 3462(t)
& personality, 4920(a)
& verbal vs. numerical aptitude, 4865
& vision, 6475
& Wiggly Block Test, 6590(b)
school failure, & personality, 3238
& intelligence, 5118(t), 9043(a)
measuring, 4542
variability, 9036
& vision, 3205, 7979
science course, & work assignments, 4849(a)
score profiles, & ability, 4951
sibling resemblances, 7303(a)
& social acceptance, school, 8015
Stanford Battery, 8080
student, & teacher morale, 3301
& student's instructor ratings, 3655
test, item construction, 8092
rate free, 4937
results, (1939 & 1950), 4930
tests, item response time, 4938
& promotion, 3296
review, 1556, 1562
trait variability, 5th grade, 9037(a)
Achondroplasia, mental defect in, 4546
Achromatopsia, congenital, & dark adaptation, 7021
Acne vulgaris, & emotion & life stress, 7875(b)
Acoustics, textbook, 8457
Acridoidea, response to sounds, 7048
Acromegaly, & female hormone, 1409
with increased sex drive, case, 1210
& personality, 3116, 4705
Acrophobia, 1379
ACTH, & behavior, in arthritis, 3088
in depression, 8901
& learning, 5342
mental effects, 5336, 5337, 7096
personality reactions, 5767
psychological effects, 6879(a)
in psychosis, 8876
psychosis from, 4652
in schizophrenia, 8883
& stress, 1985
therapy & EEG, 6923
& euphoria, 4465
Action, & perception, 5400(b)
unconscious, in industry, 6617(b)
Action potential, temple, & eye movement, 1706(t)
Action research, & college teaching, 4946
Activity, attractiveness, & reinforcement, 3920(a)
deprivation, exploratory behavior, rat, 5533
& food deprivation, 5497
infant, congenital types, 7275
level, & feeding, rat, 5517
spontaneous, amygdaloid nucleus, 1973
voluntary, & age, rat, 414
Actor, personality, professional vs. student, 1685
& television, 4280
Adams-Nickerson, vs. MacAdam, indexes of color difference, 2088
Adaptation, bright light, & color vision, 6961
color vision, & inadequate stimuli, 5443
light, factors in, 5419
& mental hygiene, 4511
& olfactory thresholds, 302
& spectral sensitivity, fovea, 2087
visual, & depth perception, 8447(b)
mechanism, 6959
Adaptometer, self recording, 6767
visual, automatic-recording, 8301
Addiction, anxiety in, 4564
& childhood experiences, 4591
drug, (Drug, addiction)
meperidine, EEG, 6272(a)
narcotic, dynamics, 6229
textbook, 7745
personality, projective tests, 6259
polamidone, 1245
(See also Alcoholism; Drug, addiction)
Addison's disease, functional, case, 8918
psychological changes, 7861
psychosomatic factors, case, 7887
Addition, task, & noise, 3910
Adequacy, feelings, & aspiration level, 7214
Adie's syndrome, psychosomatics, 4759
Adjustment, attitudes, & annoyance, 556
control factors, measuring, 5104(t)
& facial discrimination ability, 6024
individual, in group, 4126
& intellectual function, Rorschach, 3612
moving effects on, 6465(a)
personal, changes in, 7221(a)
textbook, 1794, 5995
psychology of, textbook, 8698
& psychotherapy, 6088
& self concept, college woman, 8016(a)
tests, military prisoners, 7777
Adler, A., biography, portrait, 1937
portrait, 1804
& psychoanalysis, 48
& psychology, 45
& psychotherapy, 39
vs. Allport, G. W., personality theory, 559
Adlerian psychology, 71
causality & determinism, 82
& personality theory, 25
theory, incident recall & age, 5976
Administration, communication research &, 863
of research organization, 6708
Administrator, industry, training, 1592
role playing workshop for, 6619
school, leadership, 4151
teacher rating, 3309
Adolescence, anorexia in, 4567
& obesity, case, 6239
appearance & choice status, 4890
attitudes, rural living, 4071
toward death, 8606
delinquencies, 2961
authoritarian, conforming behavior, 4098(a)
behavior, values, & social status, 2326(a)
development, 2345
blind, dominant imagery, 7935
social perception, 3463(t)
boys, working, adjustment, 5741
cinema, 7281
community, 5713
concept formation, 8550(a)
concepts of parents roles, 4081(a)
criminal neurotic, case, 6239
crises of, 5712
drug addiction, 6253, 8835
dynamic balance in, 4103
& education, 5715
educational failure, 3238
epileptic, Rorschach, 4764
ethical judgments, 8589
& family authority patterns, 4096
feebleminded, vocational success, 6216
gang, group work with, 4072
girl, adjustment, Israel, case, 2328
behavior problem, case, 6239

[1]The letter (a) following entry numbers indicates citation of abstracts which are primary publications; these are usually of theses or of papers read at professional meetings. The letter (b) indicates entries limited to bibliographic information. The letter (t) indicates unpublished theses.

parents, & behavior, 6160
personality development, 4077
self evaluation, 7259(a)
girls, group psychotherapy, 4453
group psychotherapy in, 1082
work, norms, 883
groups, leadership, 2348(a), 4892
growth in, 2321
handicapped, adjustment, 1437
handwriting & independence, 2312
heart disease & fear, 7866
& the home, 5714
vs. institution reared, 8601(a)
impulse, ego, superego, 1700(t)
& inferiority feelings, 5716
initiation, Africa, 2501
institutional treatment, psychoanalysis, 2767
interests, leadership, & status, 1742(t)
leadership &, 2307
help for, 5757
mathematical thinking of, 620
moron, case work with, 1197
mental & bodily health, 5711
murderers, case, 4627
newspaper reading interests, 3242
peer status, sociography, 3456(t)
personality & vision, 548
in placement, casework with, 7285
problems, self-recognized, 2316
projective responses, 3478(t)
psychoanalysis &, 2781
psychology, Marxian, 8578
textbook, 607, 2342, 8584
psychotic, group therapy, 2707
program planning by, 613
rebellion in, 2320
recalcitrant boys, Rorschach, 8863
religious values, 2340
research, review, 652
Rorschach, neurotic signs, 5734
in Samoa, 3427
self concept & social class, 5815
sex, behavior of, 5718
parental standards, 2330(a)
& morals, 7272
small discussion groups, 2410
social, acceptance, & experience, 2318
class consciousness, 7266
sensitivity in, 633
status, 4073
socialization, sex differences, 5752
variables, 645
socio-moral development, 7263
subnormal, vocational adjustment, 7701
suicide in, 7744
textbook, 5753
values, & social class, 2341(a)
vs. latency, characteristics, 4079(a)
vocational adjustment, 6168
worker, attitudes, 4088
(See also High school student)
Adoption, anxiety, therapy, 2309
& psychotherapy, 6154
child adjustment in, 7312
hereditary influences &, 8780
intelligence tests in, 8777
practice, psychological factors, 7640
pre-, psychological appraisal, 5727
psychoanalysis in, 2780
psychodynamics of, 4494
test prediction, follow-up, 1725(t)
(See also Foster care)
Adrenal, cortex, & adaptive behavior, 5342
& electric shock, 5349
function, feeblemindedness, 2862
& stress, 5334
mental effects, 5336, 5337
physiology, collection, 1968
psychophysiology of, 5340
& psychoses, 6353(a)
& schizophrenia, 3000, 6348
tumor, psychology, case, 1390
cortical extract, & alcoholic intoxication, 4601
insufficiency, psychological changes, 7861
steroids, & psychosis, 2999
stress response, & hypothalamus lesion, 6887
suprarenal cortex, collection, 1972
Adrenocortical, functions, in psychosis, 8890
schizophrenia, 1704(t)
Adult, behavior, & infant frustration, 1721(t)
education, group behavior, 4699
& group psychotherapy, 2712, 2720, 2734, 2757
work, 2601, 3259
student characteristics, 9006(a), 9013(a)
evening students, counseling, 1534
impulse, ego, superego, 1700(t)
literacy training, bibliography, 7969
man, middle age, 7314
strength, dynamometer, 7079(a)
superior, memory scores, 6042
Advertising, & mass motivation, 8267
psychology, terminology, 8323
research, agency department, 6705
mathematics in, 6707
threat appeal, & learning, 7453
Advice, by caseworker, 1039
Aesthetics, bibliography, (1953), 2297
college student attitudes, 9000(a)
experience, theory, 5696
industrial, 6673
judgment & science, 588
preference, & personal relevance, 7237
& psychoanalysis, review, 8570
& race attitudes, 580
Souriau's theory, 577
symbolic, 4054
& technics, 584
textbook, 5701
theory of, 595
valuing vs. evaluation, 2305
Affect, of aging ego, 8612(a)
psychoanalytic theory, 3911
response appropriateness, 1694(t)
theory, psychoanalytic, 5579
Africa, adolescence, initiation, 2501
marriage & kinship, 5890
mass communication in, 2539
natives, mental health, 4187
After effect, apparent movement, 3791
Archimedes, & memory impairment, 4325
figural, & apparent movement, 329
frequency, 8420
Gibson, effect, 5453
growth, & decay, 5438
interpretation, 3805
kinesthetic space, 5399
& Prägnanz, 6999
satiation theory, 5446
study methods, 5420
theory, 5433
seen movement & plain field, 8422
& visual field distortion, 6969
warmth stimulation, 3723
After image, apparent size, 3768
binocular, color antagonism, 7044
Bocci, & age, 358
colors, & alcohol, 7014
duration, & personality, 2279(a)
quantitative study, 359
Tschermak test, apparatus, 3769
Age, & achievment, 4106
& aircrew performance, 2378
& audiogenic seizures, 5496
& body build, 249
& creativity, 8505
& discrimination learning, 5602
disorientation, Korsakov's psychosis, 6376
& EEG, in mental disorders, 7673
& electroshock convulsions, 8380
& form bisection, 5754
& health complaints, 7916
& incident recall, 5976
& intelligence, 4028
& Manifest Anxiety Test, 8714(a)
& medical school achievement, 9119
& Oppel-Kundt illusion, 2108
& political attitudes, 5926
& problem solving, 522
& projective movement sequences, 8717(a)
& psychosis, etiology, 7834
& task complexity, performance, 7516
& refractive changes, 8426
& spinal reflex time, 8574
& taste discrimination, 2039
& vertical estimation, 7013
& voluntary activity, rat, 414
& work capacity, 2153
Aggression, acute, & cataplexy, 6248(a)
behavior, & projective tests, 1770(t)
& cataplexy, 7736(a)
catharsis theory, test of, 4580(a)
child, projective tests, 2937
in children, 7731
defense & play, preschool child, 8575
& depression, 6246
episodic, & EEG, 6905(a)
expression, & handwriting, 3470(t)
fantasy vs. behavioral, 1746(t)
frustration-, Negro children, 5880
& group efficiency, 5834
maturity, & infant experience, mice, 8572
& morality, 7358
& motor restraint in illness, 6392
& object relations, 6267
oral, syndrome, 4563
phenomenological theory, 4800
response, to frustration, 1738(t)
& Rorschach S responses, 8711, 8723
Aging, clinical & cultural aspects, 5778
& intelligence, 7317
in pilots, 2371
(See also Old age)
Agnosia, nature of, 3737
psychological, 8404
spatial, parietal lesion, case, 7912
tactile, case, 7914
visual, case, 8431
verbal, case, 1284
Agoraphobia, ego psychology, 6380
Agoraphobic vertigo, 1365
Agraphia, unilateral, without alexia, case, 4777
Air Force, aircraft commander roles, 8196
attitude toward, & neuropsychiatric problems, 944
basic training research, 5074
cadet, tests, factor analysis, 9081
captains, personality & job performance, 3465(t)
career guidance in, 3323
combat crew, post-mission critique, 5083
communication course, success prediction, 4827
experience centered learning, 4814
instructor, job satisfaction, 4963, 5069
job analysis methods, 3423
leadership, predictors, 9082
mechanics, ranking, 6654
morale, & complaints, 3373
& indoctrination, 5046
non-commissioned officer, leadership, 5824, 8317
ratings, factors, 5038
officer, aptitude, non-intellectual, tests, 9085
assessment, Worthington Personal History, 3473(t)
candidates, ratings, 4992
overseas, adjustment prediction, 9087
personnel selection, 6641
Royal, recruit ability, seasonal, 6628
school, admission selection, 6636
training, evaluation, 6514
Air Force Classification Test, vs. Army test, conversion, 5016
Air traffic control, personnel, selection tests, 5012
Aircraft, accidents, human factors, 5078
bomber, crew, communication, 8689
performance, sociometry, 6620
commander, leadership & combat behavior, 8211
roles of, 8196
ejection seat control, 1648
industry, job evaluation, 3409
instrument panel, 1647
noise, hazard, reduction, 5065
problems, 3389
visibility, from & visual acuity, 6690
monocular, 8233
Aircrew, bomber, group status, 4111
fatigue, factors, 8248
fighter, emotional adjustment, 9113
job requirements, description, 9106
leader, & role behavior, 8622(a)
performance, & aging, 2378
Airman, bomber crew, group assembly, 4148
class IV, test division, 3364
classification test, factor analysis, 5017
8 vs. 12 week basic training, 5075
reading interests, 6506
subordinates' ratings, factor analysis, 5037
test failures, adjustment, 3363
Airman Classification Battery, factor analysis, 8140
geographic score differences, 7224
Airplane, mechanic, preflight check list, 5073
Alaska, social science study, 4229
Alchemy, & psychoanalysis, 1793
Alcohol, & after image colors, 7014
& audiogenic seizures, 3664, 3869
behavior pathology from, 2921
& color vision, 3818
& cortical electrical activity, 3705
-disulfiram reaction, 7751
drinking, college student attitudes, 6546
habits, Italians, 4200
& parental attitudes, 7730
& handwriting, 2605
intake, & food lacks, 3698
intoxication, accommodation-convergence, 7007(b)
& low temperature, work decrement, 8365
& marriage failure, 7439
& maze behavior, rat, 245

preference, genetic factors, rat, 1238
treatment, of alcoholism, 7716
use, in cyclothymic depressives, 6362
social acceptance, Canada, 765
Alcoholics Anonymous, group psychotherapy &, 2940
in mental hospital, 2912
values, & social class, 7747
Alcoholism, abstract archive, 1907, 1908
acute, adrenal cortical extract in, 4601
antabuse in, 2910, 4586
psychotic reactions, 2919
art therapy in, 1256
attitudes toward parents, 1231
auditory hallucinations, 8271(a)
Bender-Gestalt performance, 1231, 2896
& broken homes, 1242
clinic, general hospital, 2925
cortisone treatment, 8841
counseling center for, 8852
& crime, 7798
dependency relation, & therapy, 4587
& divorce, 8670
drug treatment, evaluation, 1250
endovenous alcohol treatment, 7716
F+ Rorschach responses, 4592
factors, 7762
first drink, 2943
genetotrophic theory, critique, 2931
group, counseling, in jail, 2914, 4583
psychotherapy, 2940, 8850
therapy, & antabuse, 7724
hallucinosis, & delirium tremens, 6225
hypnotherapy, 4591
incidence, 8836
in industry, 3328
in- & outpatient treatment, 8849
intelligence, & social class, 2923
juvenile, case, 2899
life histories, analysis, 2913
as mental health problem, England, 2933
parental attitudes, 7730
personal treatment, 6268
personality, questionnaire, 4571
TAT response, 1691(t)
post intoxication treatment, 8838
projective tests, & personality, 6259
from propyl thiouracil, rat, 256
psychiatric treatment, 2926
psychoanalysis, 2908
psychotherapy, relationship factors, 2936
religions, attitudes of, 2941
review, 1127, 6223, 7712
Rorschach water responses, 2939
Rosenzweig P-F, 7511
skid row, cultural features, 4576
studies, collection, 1260
TAT responses, 1232
therapeutic success, 2918
therapy for, 7759
& thirst physiology, 2181
treatment, 2900
wife's personality, 4566
role, 6249
wives &, 7760
Alertness indicator apparatus, 6685
Alexia, congenital, 1270
verbal, & brain lesion, case, 3117
Algebra, ability, prediction of, 7998
teachers' marks, 6587
Allergy, children, textbook, 8028
food, & hysteria, 6387
psychosomatics, 7870
& personality, 8925(a)
psychological problems, 7879
psychotherapy in, 8927
Allport, G. W., vs. Adler, A., personality theory, 559
Allport-Vernon Study of Values, vs. Kuder Preference Record, 3352
& word frequency, 3716
Alpha rhythm, blocking, & carbon dioxide, 365(a)
Alternation, behavior, learning, periods, 3925
spontaneous, stimulus satiation, 3943, 3944
theory, tests of, 8501(a)
Altitude, & speech intelligibility, 2535
Alzheimer's disease, histology, & behavior, 3014
Ambidexterity, tests of, 5569
Ambivalence, concept of, 3522
& role conflict, leadership, 4151
Amblyopia, adults, training, 5440
child, behavior, 7028(b)
EEG in, 2107
flicker, & EEG, 3807
foveal fixation, 3782
social problems, 7920
Amblystoma, brain transplantation, & motor response, 5357
medulla reversal, & adjustments, 6901
optic tectum, & visual behavior, 6880
American Association for Gifted Children, 4977
American Board of Examiners in Professional Psychology, report, 5245, 6856
American Council on Education Psychological Examination, & college probation, 1558
in independent schools, 1577
predictive value, 8079
Q & L scores, freshman guidance, 3455(t)
vs. General Culture Test, 9039(a)
vs. Personnel Classification Test, 6599
vs. Wechsler, & college achievement, 1570
American Personnel and Guidance Association, 163
American Psychoanalytic Association, history, 3643
present status, 205
American Psychological Association, AAAS representatives, report, 5255
associates, list, 6836
building, pictures, 5244
Central Office, report on, 5249
Directory (1953), 5246
Executive Secretary, report (1953), 5252
life membership, 198
meeting (1953), report, 5263
officers (1954), 5253
Policy & Planning Board (1953), 5254
proceedings (1953), 5247
program (1953), 1910, 5248
psychological service centers, 5250
public relations (1953), 5251
American Psychological Foundation, 5256
American Society of Adlerian Psychology, by-laws, 158
history, 157
American Society of Group Psychotherapy, membership, 3619
American Speech and Hearing Association, annual directory, 3620
Amino acid, metabolism, schizophrenia, 1302
Amish, child, war attitudes, 800
Amnesia, syndrome, in brain lesion, 3130
Amok, native of, 5900
Amorphosynthesis, & parietal lesion, 7899
Amputation, psychiatric disturbance, 7932
Amputee, phantom, limb, 7929
pain, psychotherapy, 8854
Amygdaloid nucleus, lesion, & food intake, 1973
stimulation, & behavior, 5360
Amytal, & conceptual thinking, in psychosis, 7809
Anagram, classes, & set solutions, 3972, 3973
Analysis, content, agreement, reliability, 2550
latent, class, 3576(a)
structure, estimates, 1853(a)
pattern, & prediction, 6789
review, 125
of qualitative data, 3542
quantal, angular transformation, 6777
scale, & factor analysis, 1859
vs. reciprocal averages, 141
sequential, & item selection, 109
spectral, of time series, 1852
statistical, interview, 3545
(See also Variance analysis)
Analytic Reactometer, 405
Anaphylaxis, & electroshock, 1977
Anatomy, nervous system, textbook, 285
Androgens, & sex behavior, guinea pig, 403
Anesthesia, emotional conditioning, & electroshock, 241
neural basis, 1981
trauma, & hypnotherapy, 3077
Anesthetic, hypnosis as, 2762
Anger, situations, factor analysis, 2194(a)
states, diagnostic category, 4598
Anguish, & tensions, 7735
Animal, behavior, cycles, 2180(a)
journal, 3618
communication, 2185
conflict behavior, 3850
consciousness in, 423
fighting behavior, 2186
instinct, & knowledge in, 463
laboratory, drinking apparatus, 6756
management of, 5189
learning, & heredity, 8472
research, Great Britain, 5598
migrations, 440
orientation behavior, 401
psychology, review (1953), 5138
sensations, 2018
smell traces, 3722
social behavior, review, 7366
thinking in, 8553
vs. human, nature, 5136
Anisekonia, & depth perception, 2117
Anisocoria, & depth perception, 8446(b)
Anisopia, & depth perception, 5450
Annoyance, & adjustment attitudes, 556
Anokhin, P. K., anti-Pavlovianism, 1806
Anorexia, & obesity, adolescent, case, 6239
psychopathology, 1205
puberal, 4567
Anoxia, & audiogenic seizures, 8480(a)
brain, behavior sequels, 4741
cerebral, & epilepsy, 4740
& color vision, 3818
& maze learning, 3954
neonatal, & maze learning, 242
Antabuse, in alcoholism, 2910, 4586
& EEG, 6900
& group therapy, alcoholism, 7724
psychotic reactions, 2919
Anthropologist, psychological characteristics, 1956
Rorschach responses, 3443
Anthropology, color-naming cards, 4179
cultural, in area studies, 807
field of, 5787
research methods, 5804
& sociology, 4132
theory, 5791
culture change concepts, 7402
current appraisal, 2418, 2453
history of, 705
& psychoanalysis, 6085
review, 8634
psychological tests in, 5865
& psychology, 2452
social, Polynesia, review, 7403
psychodrama in, 4165
statistics in, 4169
textbook, 2387
vs. psychiatry, personality theory, 555
vs. psychology, & human nature, 8633
Anti-semitism, irrational basis, 2478
Anxiety, acute, 5-year old, case, 6239
in addiction, 4564
& adrenal cortex responsivity, 2907
& blink rate, 2175
change, & psychotherapy, 7589
child, in adoption, 2309
psychoanalysis, case, 2911
in children, 3233
& complex learning, 480
& compulsion, 4565
& concept formation, 569
& conditioned, fear, 1234
rat, 1707(t)
& conditioning, 2236
& extinction, 527
measurement, 483
definition of, 4581
ego in, 6263
electrostimulation treatment, 8840
& existence analysis, 2949
experience, & subjective failure, 2920
experimental, incubation effect, 1211
& eye blink rate, 419
& frustration of primary need, 1689(t)
& gastric acidity, 7742
group, -induced, & countertransference, 7629
psychotherapy, 1091
& heart rate, rat, 8843
induced, & awareness, 4597(a)
infant, unpleasure anticipation, 1214
isonicotinyl hydrazide in, 4590
& learning, 6226, 7140
manifest, & authoritarian personality, 8560
scale, & clinical measures, 4582(a)
test for, 2903
age & sex, 8714(a)
masochistic use of, 4574
meaning of, 2930
& memory span, 4365
& mental set, 3909
mephenesin, effects, 2890, 4562
& motor task performance, 426
myanesin in, 1240
& optic nerve, 7726(a)
origin, brief interview, 1248
& palmar sweating, 3691
& perceptual, defense, 2266, 8837(a)
recognition, 1741(t)
periodic, acetylcholine treatment, 1236
proneness, diagnosis, 2274
& EEG, 1255, 3366
psychotherapeutic interpretations, 8744
& rote learning, 504
& sex tension, 2891
as social sensitivity, 8847
& speech, cerebral palsy, 1414
& stress, in learning, 3938
-produced, & test performance, 8853(a)
& Rorschach, 6061

in stuttering, 7763(a)
subconvulsive electro-stimulation, 1225
& superiority feeling, 6258
Taylor Scale, 7526
& teeth grinding, 8851(a)
& tension headache, 3075
in testing situation, 968
tests of, comparison, 8722
& verbal learning, 5627
Aphasia, auditory impairment in, 1276
communication processes, 6280
diagnostic examination, 2952
group therapy, 8857(a)
without hemiplegia, 6276(a)
intellectual impairment, 3142
motor, hypnosis with, case, 3128
phonemic difficulties, 2958
psychoanalysis, 6275
reeducation of, 4605
research in, 4608
spoken language, 2959
spontaneous recovery, case, 4610
treatment, conceptual model, 1277
Aphasia-agnosia, theories of, 1419
Aphonia, non-hysterical, 2954
Apparatus, adaptometer, 6767
recording, 8301
animal drinking, 6756
auditory masking, 93
bone conduction audiometer, 7052
chronograph, 1826
color, mixer, 1842
mixing, calibration, 6758
conditioning, for turtles, 3540
cooperative multiple-choice, 6761
critical flicker fusion, 6762(b)
curve analyser, 96
discrimination, mouse, 3549
primate, 3543
distorting mirror, 3552
diuresis recording, 5190
electrical latch relay, 1829
for electronarcosis, 2732
electronic, stimulator, 85
trouble shooting, 5066
food intake, mouse, 3549
hand steadiness, 92
handwriting analysis, 3548
knowledge of results presenting, 3537
kymograph, 3541
Licklider shocker, 5180
luminance attenuator, 3538
mechanical maze runner, 6757
motion study, 8244
moving target optical projector, 9103
Müller-Urban weights, 5193
observation booth, child behavior, 90
operant conditioning, dog, 98
ophthalmological, infra-red, 1831
palmar, resistance circuit, 1825
sweating, group, 238
measurement, 3691, 6888
pellet feeding, 1827
perimeter, 8303
ultraviolet, 2083
photometric correlator, 6754
pin-hole test, 2052
pursuit, electronic, 5195
random signal, 3539
tracking, 5182
retinal correspondence, 3769
rifle aiming steadiness, 1839
saliva collection, 5193
for scotometry, 3547
serial visual discrimination, 89
skin, resistance, & EEG, 1833
temperature recorder, 84
Skinner box, 1824
speech synthesizer, 4266
stereoptometer, 2047
Verhoeff, 2104
stimulus generator, 95
supplier, directory, 5304
tachistoscope, electronic, 101
semi-automatic, 100
test score, adder for, 8302
computer, 6765
time study, 99
tracking behavior, 5179
tremor recording, 6759
visual, acuity test, 7006(b)
discrimination, 3534
movement discrimination, 1832
recognition speed, 3550
threshold stimulator, 8297
vocal tract electrical analog, 2551
water escape test, rat, 8508
Apperception, distortion, obsessive-compulsive character, 7216(a)
Applied psychology, Arelin on (1760), 6841
in Belgium, 6667
at Calcutta University, 159
clinical methods in, 5057
in Italy, 6671
textbook, 3387, 6668, 8280
values of, 3408
Apraxia, constructive, 2695
ocular motor, 1412
Apprehension, span, factors in, 7119
Apprentice, school, entrance examination, 6629
vocational interests, 6170
Approval, verbal responses, 4117(a)
Aptitude, college, test rate scores, 8074
factor analysis, 7116
foreign language, 8008
mechanical, & deafness, 7926
& tests, validation, 5007
special, tests, review, 1571
testing, distance function, 3340(a)
in schools, 3294
tests, & labor turnover, 1617
textbook, 6030
validity, 3341
vocational, & personality, 8786
vs. interest, 4495
clerical, 1616
Arab, college student, sex behavior, 8025
Near East, race attitudes, 2494
Arabic, teaching, vocabulary in, 2543
Archetype, concept, & dreams, 31
Jung, 5142
essays, 5160
projective study of, 7123
Arctic, personnel selection for, 8174
sleep pattern in, 3875
survival rations, & behavior, 6891
Arc-welder, tests for, 3367
Area studies, cultural anthropology in, 807
psychology & sociology in, 827
Arelin, J., on applied psychology, 6841
Arenicola marina, spawning, 5505(a)
Argument, & attitude change, 854
Arithmetic, directed learning in, 8989
addition proficiency, 3225
comprehension & reasoning in, 4820
computation test, 3571
processes, teacher understanding, 3312
simple vs. complex skills, 1467
skills, survey test, 8004
subtraction proficiency, 3226
teaching methods, 3201
Armed Force, Negro in, 4207
Armed Forces Qualification Test, development of, 8156
new forms, 8157
Army, Belgian, Matrix Test norms, 4999
career guidance, 3322
program, tests in, 8169
careers, job success, prediction, 8164
classification tests vs. reasoning tests, 7205
combat success, prediction, 8160
efficiency rating, reliability, 8123
enlisted efficiency rating report, 8124
infantry, effectiveness, field tests, 8125, 8126
job assignment, 8173
leader course, selection, 8172
Leaders Reaction Test, 7374
MOS, training criteria, 8189
officer, combat success prediction, 8178
company grade, requirements, 8170
efficiency rating, 4996, 8179
methods, 8131
interests, 8161
Officer Efficiency Report, validity, 8122, 8130, 8177
rating, on Generals, 8192
reactions to, 8162
personality inventory, 7559
primary groups, 2428
psychiatrist's role in, 2808
recruiter course, achievement, 8167
Army Classification Battery, validation, 8168
vs. Air Force tests, conversion, 5016
Arson, psychopathology of, 6316
Arsonists, detection & control, 7797
Art, abstraction & empathy, 5702
creation, psychoanalysis, 572
social meaning, 7241
creativity, test for, 8567(a)
criticism, psychoanalysis, 593
14th century, psychology, 583
learning, methods, 6509
modern, philosophy, 598
pictorial, & reality orientation, 576
of psychiatric patients, 6180
& psychoanalysis, 4319, 7346
review, 8570
in psychoneurosis, 6127
in schizophrenia, 1351
school, achievement prediction, 4852(a)
student, personality, 4064
surrealism, & schizophrenic absurd, 6368
symbol, psychoanalysis, 4053
symbolism, psychoanalysis, 4068
therapy, in alcoholism, 1256
Arteriosclerosis, cerebral, Mosaic test patterns, 8939
subconvulsive metrazol, responses, 7828
Arthritis, ACTH, & behavior, 3068
Ascorbic acid, in obsessive-compulsive neurosis, 3063
Asia, Western, culture influence, 743
technology, influences, 762
Aspermia, as conversion sympton, case, 7756
Asphyxia, & motoneurone response, 1996
neonatorum, EEG following, 5356
Aspiration, & achievement, & work satisfaction, 7225(a)
Aspiration level, & adequacy, & self-acceptance, 7214
& attainment, & stress, 452
Cassel Group Test, 104
in diagnosis, 4314
group measures, 6049
& motor handicap, 8957
of Navaho, 2473
& prearranged scores, 8489
& social class, 4241
vs. Index of Adjustment & Values, 2617
Association, free, Galton, 5127
psychoanalysis, history, 5140
in sleep, diagnosis, 917
tests, recall, individual differences, 6717(t)
voluntary, Mexico, 4219
Association de Psychologie Scientifique de Langue Française, 5259
Associations (See by name)
Astasia abasia, cases, 7843
psychological factors, case, 1432
Asthenia, nature & analysis, 2866
Asthma, & cutaneous massage, 5398
& EEG, children, 5359
& emotional, conflict in, 7877
expression, in psychotherapy, 4450
hypnotherapy, 3104
psychiatric study, 7872(a)
psychogenic, case, 6412
& psychosis, 4718
Ataxia, & suggestibility, in neurosis, 3053(a)
Athletics, coach, personality traits, 5092(a)
elementary school, parent attitudes, 4805
intelligence, measuring, 4866(a)
motor activity, 3172
& social adjustment, 8580
& sociometric status, boys, 1512
Atomic, energy, industrial mental health, 6615
public reaction, 5800
Atomic bomb, attitudes toward, 5801
cerebral changes, 1427
Attention, visual, & alpha rhythm, 2013
Attitude, adjustment, & annoyance, 556
anti-Negro, change, 727
& atomic energy, 5801
authority-figure, & flight training, 3405, 3406
change, & cognitive differentiation, 4123(a)
& communication, 8690(a)
group dynamics, 676
motivational bases, 7232
& presentation method, 854
& response restriction, 2195
review, 5797
choice, sociometric, 4164
competition, scale for, 729
conservatism-liberalism, correlates, 8628
& intelligence, 7408
employee, measurement, 3371, 8200
merit survey, 5052
in industrial city (Detroit), 812
& information, 4139
intensity, & personality, 6719(t)
international, modification of, 7425
& logical thinking, 535
measure, even-choice technique, 3581
measurement, textbook, 8655
organization, sex differences, 4035
political, college student, 5917
Washington, 7434
as psychosomatic concept, 3101
public, & big business, 8268
toward education, 4806
questionnaire, & achievement prediction, 1572
components, 2464
research, projective interviewing in, 9098
scale, directions, influence, 5870
item placement, 732
judgmental phenomena, 6028
response qualification, 4889
scale-product technique, 720

shifts in, 4213
social, & intellectual rigidity, 2406
national comparisons, 5877
relations, 2422
research in, 5849
statements, phrasing of, 8643(a)
structure, & value theory, 7363(a)
survey, intervening responses, 8646
test, non-committal responses, 7546
toward Air Force, & neuropsychiatric problems, 944
toward peers, & flight training, 3388
vs. opinions, 7386
& willingness to be interviewed, 5661
worker, changing, priorities, 1636
Attribute prediction, theory, & psychophysics, 6044
Audience, attitudes, & communication, 5950
& dramatic literature, 4067
& mass communication, 4265
participation, & film learning, 7987
reaction, & gross body movement, 4270
measuring, 4272
& speaker prestige, 2546(a)
response, to drama, & education, 7244(a)
& education, drama, 4274(a)
& occupation, drama, 4261(a)
& theater architecture, 5693
Auding, concept of, & research, 4816
Audiogenic seizure, & age, 5496
& behavior, 7075(b)
alcohol effects, 3864, 3869
anoxia, & hypercapnea, 8480(a)
behavioral factors, 402
& emotional response, 5492
genetics of, 3867
& light intensity, 3887
& maze learning, 3990
mice strains, development, 398
nicotine facilitation, 3868
& proprioception, 3854
resistance, & learning, 3946
& wheel-turning response, 1715(t)
Audiometry, bone conduction, 7052
reliability, 7068(a)
Audio-visual aids, (See Visual aids)
Augustine, music theories, 594
Aurobindo, Sri, psychological system 6748
Australia, aborigines, & technology, 749
folk legends, psychoanalysis, 5893
occupation, social grading, 4246
Austria, depth psychology, history, 6090
Author, creation compulsion, 575
inhibited, psychoanalysis, case, 5689
personality, & parental loss, 2298
Authoritarianism, & chance taking behavior, 5116(t)
in education, 1456
& group problem solving, 5820
ideology, Negro college student, 3461(t)
Jewish, 5901
leader, in evaluation, 1726(t)
Naval leadership, 698
& neighborhood leadership, 687
personality, 7213
& manifest anxiety, 8560
study technique, 7216
& teacher attitudes, 9054(a)
& rigidity, 5663
school system & teacher, 8099
& social, beliefs, 7429
perception, 2443
work, juvenile court, 7498
syndrome, & tolerance-prejudice, 4196(a)
Authority, -figure attitudes, & flight training, 3405, 3406
structure of, 2451
Autism, children, cause & treatment, 8845
Auto, (See Driver, auto)
mechanic training, prediction, 8166
Autobiography, childhood memories in, 7296
Autogenic training, in pertussis, 1380
in tuberculosis, 1386
Autokinesis, & motor activity, 5391
vs. schizokinesis, 3050
Autokinetic, effect, in central vs. peripheral vision, 6098
& visual field illumination, 6097
movement, generalization, & exposure time, 6987
& personality, 571
regulation of, 350
Automobile, autronic eye, headlamp lowering, 6694
colored windshield, visibility, 8251
driver (See Driver, auto)
headlight, beam, glare, 6681
glare, 3397
meeting beam, 6682
windshield, tinted, & visibility, 6683, 6696
Autonomic, balance, & temperament, 5685
responses, & cerebral cortex, 5363, 8381
Aviation, air-sea rescue, & color detection, 9111
cadet, leadership, 8623
medicine, research, bibliography, 3492
personnel, psychiatric selection, 1628, 1629
training, acceleration in, 3426
in light planes, 6672
success, & time to complete, 9114
transportation, human factors, 3412
visual problems, 1656, 8243
(See also Flying)
Aviation Cadet-Officer Candidate Qualifying Test, validity, 6647
Aviator, cadet, topographical orientation, 3344
vocational interests, 8151
noise helmet, evaluation, 3428
student, motivation, 8106
training, attitudes, & motivation, 4995
Avoidance, conditioning, no warning signal, 3991
response, temporal parameters, 3992
Awareness, & induced anxiety, 4597(a)
Axon, spinal, after-potential, 2008

Badminton, learning, wrist movement, 4838(a)
Bali, social organization, 4210
Bank, clerical testing, 1670
Bars, society, cohesion in, 7398
Barbiturates, addiction, 6232
in brain damage, effects, 8931
intoxication, 2942
& involuntary movement, 5328
& motivation, & muscle coordination, 4573
Baseball, batting, & visual tracking of ball, 9102
Bat, high frequency sounds, 8473
homing record, 3890
Baudelaire, C., psychoanalysis of, 5690
Beauty, & sex, 4065
Bee, communication, 862, 4269
of color, 5539
& human language, 5945
orientation, & hive changes, 5540
polarized light discrimination, 327
symbolic dance, & nervous system, 4278
Beers, C. W., biography, 6844
Beetle, humidity, behavior, 5543
receptors, 6946
hygroreceptors, 5406
optomotor reaction, 7107
Behavior, adaptive, dog, 2164
& amygdaloid nucleus, 5360
analysis, free operant in, 1824
appetitive, organization, 3872
theory, 5149
biological theory, 4509
& brain electrical responses, 5372
categorizing, cognitive styles, 5641
& causality, 29, 37, 40
chance taking, factors, 5116(t)
changes, & thalamic injury, 5378
choice, & satiation, 5633
circling, by DFP, 263
& climate, 234
conflict, & reinforcement, 3942(a)
& conscience, 3506
control, girls, 5717
cycles, man & animal, 2180(a)
data, & statistics, 5232
development, hormonal influence, rat, 5333
& motor primacy, 5491
environment as determinant, 8288
exploratory, & activity deprivation, rat, 5533
& hunger, 5557
& thirst, 5534
genetic vs. social factors, dog, 436
group-centered, 2448
human, certainty concept, 6739(a)
city life effects, 5927
inheritance, mouse strains, 5351
intelligent, & frontal lobe lesion, 261(a)
maternal, following caesarean birth, rat, 3877
maze, & alcohol, rat, 245
mimetic, 5520
motor, compensatory, 7083
neurotic, vs. normal, 3056
non-adaptive, & defect, mice, 2444
operant, non-nutritive reward, 3934(a)
operational analysis, 5794
oppositional, in development, 632
overt, after projective testing, 4402, 4570
prediction, & Rorschach, 2658
& psychoanalytic theory, 5162
& radiation, research program, 8300
research, Ford Foundation, 1911
in risk-taking situations, 1752(t)
safety factor in, 6737
science, exactness of, 6743
praxology, 683
sequences, & environmental change, 566
serial patterns, cognitive controls, 5587
& sex hormones, 5329
simple vs. complex, 6280
stereotype, rat, 5564(a)
& stress, 8478, 8479
& stress, psychoanalysis, 3885
structural, & functional analysis, 47
study, learning & heredity, 5158
sustained, & delayed reinforcement, 2212
theory, brain analogy, 36
experimental analysis, 74
Hullian, expectancies &, 3499
idiodynamics, 3531
language, 3512, 3519
phenomenology, 3511
phylobiology, 5144
physiological constructs, 6749
as time series, & information theory, 6745
& tropism, theory, 32
variability, as variable, 6746
Behavior Preference Record, 5203
Behavior problems, anti-convulsant drugs in, 1239
borderline states, 6245
classification of, 6193
dictionary, 156
economic cost, 7666
EEG parent & child, 7734
& family relationships, case, 6273
primitive mentality, 2946
psychiatric vs. social, 2816
& socioeconomic trauma, 4304
textbook, popular, 8790
Behaviorism, 5154(b)
concept, definition, 83
experience as postulate, 75
Behn-Rorschach Test, vs. Rorschach, 2679
Bekhterev, V. M., biography, 1931
Belgian Congo, natives, color blindness, 8656(b), 8660(b)
Belgian Institute of Work Science, 5053, 5054, 5055, 8227
Belgium, applied psychology in, 6667
Belief, fixation, & communication theory, 7456
folk, & empirical knowledge, 4190
Bell Adjustment Inventory, readability, 8729
Benadryl, for child behavior problems, 7634
Bender-Gestalt Test, directionality of lines, 2665
factor analysis, 7525
psychiatric diagnosis, 4376
& psychosis prognosis, 4678
reliability, & generality, 1771(t)
rotation, & child EEG, 4361
standardization, 4354
vs. Rorschach, 7515
Benzedrine, delirium, case, 1203
Berkeley, G., biography, 1942
current significance, 5282
& modern psychology, 1935
portrait, 1912
vision theory, 2109
Beta function, percentage points, table, 6778
Bible, stories, psychoanalysis, 655
Bibliographies, abortion, therapeutic, 7883
accidents, human factors, 5078
achondroplasia, mental defect, 4546
adolescence, 5753
adult literacy training, 7969
aesthetics, 2297
affect theory, 3911
African mentality, 4187
age & behavior, 4102
Air Force personnel research, 5014
alchemy & psychoanalysis, 1793
alcoholism, 6223
treatment, 2900
anguish, 7735
anthropology, 705
assessment techniques, 6639
autocorrelation & regression, 6771
autonomic nervous system, 1993, 5376
aviation medicine research, Navy, 3942
behavior heredity, 252
biodynamics & psychoanalysis, 3521
bird brain morphogenesis, 271
blind, 3157
residential schools, 0550
body build, measuring, 8364
Bonaparte, Marie, 5276
brain, electrical activity, 1990
lesion, & behavior, 6909
mind, 297
breathing, vertebrate, 3891
Bunker, H. A., 1926

carbon dioxide therapy, 1043, 2723
caste system, Ceylon, 768
catatonia, 6367
cerebral palsy, 4760
child, concept, aliveness, 4084
development, 5722
mental, 609
physical, 622
guidance, 6156
hospitalization, 642
problem story books, 6155
psychiatry, 1150, 7639
psychology, 635, 2344
rearing practices, ethnology, 2273
religious life, 7283
research, 4097
childhood psychoses, 7835
children, war born, 5756
Chinese social organization, 5878
cinema, psychological problems, 4066
climate & behavior, 234
clinical psychology, 5333, 5902
nature of, 8702
theory, 8702
color vision, 2115
communication, & mental health, 4279
measurement, 870
theory, 5961
community planning, 7414
concept formation theory, 5642
counseling, 6001, 8703
countertransference, 7565
criminal psychopath, 6325
criminology, 6288
crippled, education, 8044
criterion development, 3599
culture, change, 7402
research methods, 5864
Timbuctoo, 760
cutaneous pain, 5393
deaf, education, 3264
special education, 3250
death instinct, 3510, 5143
dreaming, 5648
dreams, 5652
prophetic, 7199
ear, physiology, 393
eczema, psychiatric aspects, 6410
education, gifted, 8050
program evaluation, 1452
& social class, 5913
special, 8036
subnormal, 8046
ego, in anxiety, 6263
& homeostasis, 7227
electrocyclic phenomena, 1960
electroencephalography, 275, 5354, 6911
in mental disorders, 1151
electroshock & cholesterol, 981
therapy, 1035
embezzlement, 6293
epilepsy, 6427
& cerebral anoxia, 4740
psychology, 4753, 4754
epileptic automatisms, 6433
experimental design, 5208
eye, electrical stimulation, 342
electrophysiology, 5449
facial expression of emotion, 7117
factor analysis, 8313, 8317
feeblemindedness, 1150, 2876, 2882, 4535, 8829
diagnosis, 1186
genetics, 1185
fertility, physiological control, 1965
figural after effect, 5453
films, educational, 1905
psychology, 3684
fingerpainting in psychosis, 6357
flight into health, 4525
food allergies, 7870
foreman behavior, 8220
friendship, 4150
genetics, 3692
gifted child education, 1525
group, behavior, & adult education, 4800
dynamics, 7345
& education, 6469
psychology, 6071, 6140, 7580
research on, 7327
relations, & individual traits, 7390
small, behavior, 2438
hearing, 5476, 7072
& deafness, 388
defects, education, 8039
heredity, & genetics, psychiatry, 7668
& mental disorder, 6187
in psychiatry, 1149
hoarding behavior, 3551
homosexuality, 2946
Human Resources Research Center, 3317
hypnosis, 404, 5565
in dermatology, 2762
in gynecology, 2762
internal medicine, 2762
physiology, 2762
in psychiatry, 2762
hypoparathyroidism, 3713
individual differences, 5212
industrial, human relations, 4989
sociology, 8254
infant frustration, 7299
instinct theory, 3853
instructional film, 7992
intelligence, & family size, 2380
tests, clinical use, 8702
intercultural relations, 7377
intergroup relations, 2446
interview, initial, 8747
personnel selection, 3357
introspection, 1916
Jewish education, 7945
job satisfaction, (1962), 5042
judgment, & group influence, 5835
Jung, C. G., 5151
juvenile, delinquency, 1296, 4625
delinquents, Rorschach, 8863
Kretschmer, E., 1914
language, & communication, 8681
sociology of, 5951
learning, 5635, 5636
theory, 57, 525
leucotomy, & personality, 6132
library personnel administration, 6618
literature, sociology of, 840
loudness recruitment, 2135
maladjustment, & muscular tension, 7230
marital problems, 8702
marksmanship, 9115
marriage & family, 814
masturbation, 7711
mathematician, personality, 3444
medical hypnosis, history, 2762
mental, deficiency, 7639
hygiene, 5990
& church, 5990
& disaster, 4159
patient rehabilitation, 8897
minority prejudices, 769
monotheism, psychoanalysis, 2515
Mosaic Test, 2626
motivation, 7127
motor, ability tests, 5556
skills, 2152, 5485
multiple choice items, 8092
muscle, biochemistry, 246
innervation, 1967
music, psychology of, 8571
therapy, 8765
nationalism, & communication, 5912
neolalia, & glossolalia, psychotic, 4640
nerve transmission, invertebrates, 3715
nervous, excitation, & conduction, 1993
system, higher functions, 1986
somatic functions, 1962
visceral functions, 3015
transmission, 5381
neuroanatomy, 3712
neurology, clinical, 6441
neuropathology, 1416
& psychology, 8374
neurophysiology, 1978
noise, effects of, 6995
of marine organisms, 2170
nurse selection, personality, 4950
obscenity, psychoanalysis, 7467
obsession neurosis, 4688
occupational, choice, 6657
therapy, 6076
old age, 687
clinical psychology, 8702
education, 4110
in primitive peoples, 5774
psychiatry, 8615
olfaction, theory, 2039
ophthalmology, journal index, 1909
organ selection theories, 7886
pain neural pathways, 6924
palmar sweating, 238
parapsychology, 5137, 5588
Parsons, T., 8626
pastoral psychology, 7482
pattern analysis, 125
Paviovianism, 5121, 8287
peptic ulcer, personality, 3108
perception, as adaptation, 8397
& motivation, 3734
& personality, 554, 567, 2274, 8566
perpetual judgments, 5390, 6935
personality, 5664, 5678
development, 567
measurement, 8702
psychoanalytic theory, 549
& psychotherapy, 1051
& social development, 2273
structure, 5669
theories, 2271
Pfeifer, R. A., 183
phenomenology, theory, 3511
philosophy, operational, 5171
of science, 49, 5183
physically handicapped, 8702, 8955
adjustment, 3147
physiology, developmental, 1970
Pintner, R., 168
Polynesian social anthropology, 7403
possum, 407
prejudice, 7410
premature birth, adjustment, 2308
projective techniques, 965, 6016, 8702
pseudocyesis, 4564
psychiatric, nursing, 6076
patient art, 6180
symptoms, 2826
training, 5311
psychiatry, 6178, 6195, 8809
child, 6152
clinical, 6197
forensic, 2833, 6192
physiology, 2813
psychoanalysis, 6182, 6528
Hebrew, 1807
monographs, 5238
verbal vs. play, 7578
psychoanalytic, journals, 5241
techniques, 6093
training, 4514
psychological journals, 5304
psychology, abnormal, 6190
basic, 6829
child, 5737
clinical, 1954, 4303
comparative, 5138
developmental, 5704
educational, 6474
experimental, 5135
genetic, 5707
industrial, 6684
pastoral, 5963
physiological, 5344
psychomotor, ability tests, 2163
personality tests, 6055
psychoneuroses, 6361
psychopathology, criminal, 6309
psychopathy, 1206
psychosomatic medicine, 6416
psychosomatics, 3067, 6391
gynecological, 4729
psychosurgery, 6099, 7587
psychotherapy, 6138, 8702, 8774
& art, 6127
defense structure, 1063
Germany, 2836
in obesity, 3080
social factors, 1072
public opinion, 2388
Q-technique, 6810
race relations, in education, 736
radar-scope interpretation, 5058
reading, 7975
defects, & emotion, 3195
research, 1477
& vision, 4818
rehabilitation, mental patients, 6121
periodicals, 4789
physically handicapped, 1440
responsibility in children, 8599
Rorschach, children's responses, 2635
in medicine, 2613
Test, 4390, 7543
schizoid, 7677
schizophrenia, 6197
behavior patterns, 2904
blood chemistry, 6345
school, action research 7949
-home relations, 4799
scientific method, 5188
biology, 6751
self symbolization, 6363
sensation, 320
servomechanism mathematics, 149
sex, behavior, 5526
offender, 7786
research, 2151
shock therapy, 6150
muscle relaxants, 8759
prognosis, 6070
simultaneous response, 1967
skin electrical measurement, 230
smell, 5410
social, behavior, animal, 7366
learning, 3996

psychology, 5797
research methods, 3542
science, journals, 6833
Latin America, 716
situation, miniature, 7385
theory, 5823
socialization, classroom, 1508
socially maladjusted, education, 8053
sociology, rural, 2449
sociometric score stability, 7388
sociometry, 4178
somatic therapy, psychosis, 8756
somesthetic cortical areas, 8360
space perception, 363
speech, correction, 6281
defects, education, 8039
theses, 1268
statistics, 5208
nonparametric, 6807
stress, & disease, 4730
psychoanalysis, 3885
student personnel, 6582
stuttering, theory, 2960
suprarenal cortex steroids, 1132
survey methods & community, 7387
Szondi Test, 931
taste, 5410
teacher success, 6602
teaching, classroom, 1455
technical vocations, job analysis, 3440
temporal lobe, & intellectual functions, 6914
tests, achievement, 1556, 1562
in education, 1557
mental ability, 1575
personality & interest, 974
special aptitude, 1571
Thematic Apperception Test, 2677
therapy, physiological, 1093
thermal receptors, 2045
theses, psychology, 8319
thinking, children, 541
transfer of training, 2238
urticaria, psychogenic, 4714
Van der Hoop, J. H., 21
Vineland Social Maturity Scale, 4347
Virchow, R., 5271
vision, 5459
physiology, 2064
stereoscopic tests, 8418
visual, adaptation, 3706
photochemistry, 354
defects, education, 8048
pigments, 2097
vocational choice, 2804
& military service, 8783
Wartenberg, R., 188
Bibliography, alcohol abstract archive, 1907, 1908
citation forms, 3615
of psychology, 5304
publication needs, clinical psychology, 5237
reference works, psychology, 6830
Bibliotherapy, children's books, 6155
Bilingualism, & child personality, 8577(a)
& intelligence test, performance, 544
in Jewish nursery schools, 7455
& language ability, child, 857
& reading ability, 4835
& verbal test scores, 7207
Yiddish school, 1473
Binet Test, IQ, adjustment, dull children, 7548
variability, 2653
responses, & maladjustment, 6004
short form, special class screening, 1528
Stanford, factor analysis, 8725
vocabulary & M A, 7516
vs. Wechsler Intelligence Scale for Children, 954, 2638
vs. Wechsler, vocabulary score conversion, 4348
Bingham, W. V., obituary, 170
Biochemistry, of brain, 3714
muscular contraction, 246
in psychiatry, review, 1416
Biodynamics, & psychoanalysis, 3521
Biographical Inventory, keying, method, 3558
overseas adjustment prediction, 9087
Biography, inventory, predictive efficiency, 3475(t)
Biography & criticism, Adler, A., 1937
Adrian, E. D., 3807
Anokhin, P. K., 1806
Arelin, J., 6841
Augustine, 594
Aurobindo, Sri, 6748
Beers, C. W., 6844
Bekhterev, V. M., 1931
Berkeley, G., 1935, 1942, 2109, 5282
Bleuler, E., 3628
Breuer, J., 182
Broad, C. D., 3738
Burrow, T., 5144
Cameron, D. E., 1943
Charcot, J. M., 8333
Claparede, E., 5290
Dalton, John, 332
Dewey, J., 193, 8959(a), 8960(a)
dictionary, 8322
Durkheim, E., 7334
Edwards, J., 3631
Frankl, V. E., 2708
Freud, S., (See in main alphabet)
Galton, F., 8336
Goldstein, K., 6843
Hantel, E., 173
Horney, K., 189, 6750
Hull, C. L., 1941
James, W., 174, 3630, 3634
Jung, C. G., 5151, 5159
Kafka, G., 4160
Katz, D., 5129
Kohler, W., 179
Kretschmer, E., 1914
Krüger, J. G., 6853
Lapicque, L., 1919
Lewin, K., 160, 161, 8959(a), 8960(a)
Lichtenberg, G. C., 6848
McDougall, W., 8335
Maine de Biran, 1810, 1928
Makarenko, A. S., 5284
Markuszewicza, R., 8286
Mead, G. H., 5293
Menninger, C. F., 6851, 6852
Montessori, M., 1918
Moreno, J. L., 3642
Nissl, F., 6842
Nunberg, H., 6846
Orbeli, L. A., 5268, 5278, 5292
Parsons, T., 713, 8626
Pavlov, I. P., 1921, 5279, 8327, 8329, 8331, 8332
Peirce, C. S., 5647
Pfeifer, R. A., 983
Piaget, J., 186
psychologists, Peabody Ph.D.'s., 6854
Pulver, M., 3648
Rank, O., 175
Reich, W., 6850
Reik, T., 1927, 3632
Rogers, C., 2737
Sade, Marquis de, 8275, 8277
Samkara, 1934
Schneider, E., 6845
Schopenhauer, A., 185
Sherrington, C. S., 190
Spearman, C., 8337
Spinoza, B. de, 187, 1940
Sullivan, H. S., 3629, 5184
Szondi, L., 3651
Thorndike, E. L., 192
Vico, J. B., 3638
Virchow, R., 5271
Vives, J. L., 5283
Volkov, M. M., 8400
Vvedenskii, N. E., 191, 1925
Wallen, J. E. W., 3266
Wartenberg, R., 171, 184, 188
Wiener, N., 5294
Wolfle, D., 6847
(See also Obituaries; Portraits)
Biology, achievement, high school, 4819(a)
college, course, evaluation in, 4843
information theory in, 3694
& psychoanalysis, 3500
psychohygiene in, 3185
research, biometry in, 3595
& psychology, 195
scientific method in, 6751
stochastic processes in, 3603
Biometry, in biological research, 3595
Bird, brain, morphogenesis, 271
gaping mechanism, 425
great tit, appetitive behavior, 3872
incubation, substitute behavior, 423
navigation, random elements, 5567
oil-, acoustic orientation, 3836
orientation, sun azimuth, 3825
vision, telencephalic, 7010(b)
Birth, caesarean, & maternal behavior, rat, 3877
children's theories, 7291
injury sequels, & nerve lesions, 3126
order effect, chi square in, 3579
pre-mature, prognosis, 2306
season of, & personality, 4045
Birth control, psychological issues, 609
Black thread method, & Weber's law, 3757
Blacky Pictures, defense preference, 4393(a)
& handwriting, 2652
in paranoia, 2981
reliability & validity, 2627
of sexually deviant, 2975
Bladder, control, psychic stimuli, 7085
Bleuler, E., schizophrenia concepts, 3628
Blind, acceptance, & adjustment, 8035
adjustment center, psychiatrist in, 1436
adjustments to, 4796
adolescents, dominant imagery, 7035
social perception, 3483(t)
bibliography, 3157
braille hallucinations, case, 6448
case work, psychiatrist in, 1435
child, behavior of, 7928(b)
& cerebral palsy, 4757
normal behavior development, 6453
teaching, 7922
children, India, 6451
cortical, & electroshock, 366
-deaf, communication methods, 4782
education, 8040
drawings of, 5129
education & training, 1441
etymology, 3150
group psychotherapy with, 6446
informing patient, 8951
maze learning ability, 1439
phenomenal vertical, 5386
pre-school services, 1526
rehabilitation, India, 3154
center, 4781
research on, review, 4792
residential schools for, 6550
school, residential vs. public, 3240
social problems, 7920
tactile thought, 7918(b)
types of, 7925
Blindfolded, learning obstacle avoidance, 6443
Blindness, in preschool children, 4784
religious cure, case, 3156
Blink, rate, incentive, & anxiety, 2175
non-visual tasks, 2076
reaction time, 2074
Blitzsten, N. L., obituary, 1922
Blood, cell count, & reading failure, 6490
chemistry, & body type, 243
& cochlear microphonics, 5482
& electroshock, psychoses, 6345
& emotion, 3690
dyscrasias, psychosomatics, 7856
erythrocyte change, conditioning, 247
leucocyte reactions, & electroshock, 4486
oxygen, conditioning, 1971
emotion, & hypnosis, 6886
& loud speech, 3856
pressure, & abstraction, schizophrenia, 7831
brainstem control, 5367
conditioning, 1966
psychosurgery, 291
types, Mongolism, 1189
vessel, conditioning, & mental activity, 5347
viscosity, & emotional stress, 3097
Blum-Fieldsteel Developmental Charts, 1845
Body, asymmetry, & handedness, 5537
build, age changes, 249
descriptive method, 8364
factor analysis, 240
development, child, Israel, 643
experiments, in psychoanalysis, 4421
experience, & image, 8510
image, & child's drawing, 5723
disturbances of, 1215
-mind problem, linguistic solution, 5177
movement, & audience reaction, 4270
position, perception of, 2026
& head position, 6933
non-visual, 6934
temperature, & emotional stress, 1959
subnormal, & brain activity, 281
tilt, & eye rolling reflex, 2095
type, & blood chemistry, 243
& figure drawing, 4412
& motor ability, 3860(a)
Bolivia, juvenile delinquency in, 6291
Bolt test, 9086
Bomber, crew, combat, performance, criteria, 6640
Bonaparte, M., bibliography, 5276
Bonnardel Complex Reaction Test, 9077
Book about me, 106
Borderline states, 6245
Boredom, & work production, 1660
Bowling, teaching, perceptual method, 3229
Boy, delinquent, parent manual, 2962
development, textbook, 5745
Brain, acetylcholine in, 259
action, & neurone physiology, 265
activity, hypothermia &, 281
analogy, behavior theory, 36
theory, 5146
anoxia, behavior sequels, 4741
areas, roughness discrimination, 2046

biochemistry, functional, 3714
bird, morphogenesis, 371
choline esterase, in schizophrenia, 8903
CO_2 & DDT, action, 3004
defect syndromes, & starvation, 6439
dominance, & phi movement, 3765
electrical, activity, review, 1990
responses, & behavior, 5372
& electronic robots, 5368
& emotions, 2201
extralemniscal sensory system, 1980
function, & foreign proteins, 8382
& schizophrenia, 8904
higher functions, review, 1986
limbic cortex, functions, 6903
localization, & psychosurgery, 1991
pure tone, 383(a)
mechanics, textbook, 2014
mind, 51, 295(a)
organization, & psychoanalysis, 273
photic stimulation responses, 1989(a)
physiology & mind, 297
projection, vestibular system, 279(a)
stem, & blood pressure, 5367
visual responses, 6902(a)
subcortical emotional, centers, 6917
motor activity, 8387
suppressor mechanism, 3709(a)
temporal lobe, intellectual function, 6914
suppression from, 3706
syndrome, 5374
transplant, & motor response, amblystoma, 5357
vasodilation, & EEG, 5369
wave, alpha, & reaction time, 371
Brain lesion, amnestic syndrome, 3130
aphasia, & intelligence, 3142
& apparent motion perception, 7020
atomic injuries, 1427
atrophy, & cyclothymia, 7915
& autonomic responses, 8942
barbiturates, mental & EEG effects, 8931
behavior reactions, 1421
birth, & EEG, 6436
cingulate gyrus, 3110
chemical, & behavior, 6894
child, reading teaching, 7970
concussion, ESP scores, 6438
mental sequels, 7895
syndrome, 1428
cortex, & conditioning, 2211
diagnosis, in child, 8936(a)
sodium amytal, 3145
EEG, 3138
& evipan, 1433
electroshock, case, 3133
frontal, & disinhibition, 8937
& intelligent behavior, 261(a)
vs. occipital, problem solving, 1407
frontal lobe, test performance, 7908
Grassi Block Substitution Test, 105
haemorrhage, & Korsakov syndrome, 4778
head injury, epileptic symptoms, 3143
& hearing loss, 392
& hoarding, rat, 3892
H-T-P performance, 3136
illness denial, 1431
infant, syndromes, 4748
injured, child, characteristics, 4761
injury, after-effects, 1426(a)
& epilepsy, 6440
manic-depressive reactions, 7913
test performance, case, 8943(a)
& visual field defects, 6956
& insulin coma, 8768
& intelligence, rat, 5364
& language disturbance, 7774
& maze retention, 520
& mental defects, treatment, 6946
neoplasms, figure-ground discrimination, 8930
non-psychotic vs. psychosis, test scores, 8902(a)
palecortex, behavior changes, 290(a)
parietal, & amorphosynthesis, 7899
& perceptual, structuralization, 4762
threshold, 4732
post concussion syndrome, 1423
psychological consequences, 6909
& reading difficulty, 4839
rigidity & negative transfer, 8935(a)
rhinencephalon, & behavior, 6919
& rotational block design behavior, 4769
& schizophrenic symptoms, child, 7900
septal region, & emotion, 5353
& subcortically evoked movements, 8907
Sylvanian fissure, behavior, 6434
temporal lobe, & paranoid states, 4666
temporo-parietal, & visual symbols, 1406
test for detection, 1785(t)
& verbal alexia, case, 3117
vs. electro shock, & behavior, rat, 8392(a)
vs. psychoneurosis, diagnosis, 7910
EEG, 1375
vs. schizophrenia, thinking, 3450(t)
& visual, agnosia, case, 6431
discrimination, 5460
field organization, 8947
phantom, case, 4739
threshold, 3787
& work deafness, case, 1278
X-irradiation, pinna reflex, 3703
Braque, painting, analysis, 574
Brazil, family structure in, 2534
rural, race & class in, 779
vocational guidance in, 6175(b)
Breathing, behavior, newt, 3891
conditioning, & mental activity, 5347
training, & psychotherapy, 4442
Breeding, rhythm, European wren, 3899
Breuer, J., autobiography, 182
Brevidil, M., in electroshock therapy, 6083
Bribe, psychology of, 7359
Brief Survey of Arithmetic Skills, reliability & validity, 8004
Brightness, & anomalous depth perception, 3799
apparent, & color temperature, 6982
difference, & visual threshold, 2079
discrimination, apparatus, 6953
approach vs. avoidance, 5429
& background luminance, 3790(a)
measurement, 5456
& field luminance, 3768
heterochromatic, matching, 8428
illumination engineering, 6898
field, & performance, 5432
& peripheral glare, 2073
photometric vs. apparent, 3767
print-reading, measure, 3817
scotopic, & photoreceptor density, 6976(a)
& size-distance perception, 5423
subjective, bril scale, 7002
threshold, training &, 3823
visual, & sound loudness, 5407(a)
British Guiana, family organization, 830
Broad, C. D., perception theory, critique, 3728
Bromides, delirium, sequelae, 2915
Broodiness, development, hen, 427
Brown, Wm., obituary, 1939
Brucellosis, chronic, Rorschach responses, 3093
Brutus, psychoanalysis, 582
Buddy rating, meaning of, 5873(b)
Buechner, G., psychoanalysis, 601
Bunker, H. A., obituary, 1926, 3624, 5287
Bunker, H. A., portrait, 1926
Bureaucracy, personal psychosocial dynamics in, 2425
Burn, severe, psychological adaptations, 1369
Burrow, T., correspondence, 5144
Business, big, public attitudes, 8268
executive communication, 5940
human relations, in, textbook, 3435
leaders, characteristics, 9120(a)
Business Judgment Test, 5198

Cage, size, laboratory animals, 5189
Cain, psychology of, 1788
Calcutta University, Applied Psychology Section, 159
California E-F Scale, vs. MMPI, 6011
California Test of Mental Maturity, school use of, 8070
Cameron, D. E., biography, 1943
Camp, children's & emotional problems, 7633
Camping, & child, development, 617
mental health, 618
welfare, 641
mental hygiene program, 6163
therapeutic, record practices, 2795
Canada, scientists of, 6071
special education in, 8041
Cancellation test, in psychoses, 2593
Cancer, achievement test, 1674
breast, personality &, 8924(a)
guilt feelings in, 6910
psychological problems, 1394
social psychology of, 3459(t)
Capital punishment, psychiatric aspects, 7785
Carbohydrate, utilization, psychosis, 4637
Carbon dioxide, & DDT, in central nervous system, 2004
& flicker fusion & alpha blocking, 365(a)
inhalation, autonomic response, 6920
mosquito reaction to, 6948
therapy, critique, 2723
evaluation, 8760
method, 1043
neuroses, 3061
physiology of, 4693
psychoneurosis, 7853
& psychotherapy, 7575
review, 1041
tolerance to, card sorting, 255
Carcholin, & dark adaptation, 8415
Card sorting, factors in, 3461(t)
& CO_2 tolerance, 255
flower designs, 94
Cardiovascular, response, to stress, 1731(t)
Career Pattern Study, 1109
Caries, dental, & personality, 3080
Casanova, psychological interpretation, 2295
Cases, acromegaly, 1210
adolescent behavior problem, 6239
adrenal cortex tumor, 1390
Addison's disease, 7887
functional, 6918
agnosia, 7914
agraphia, 4777
alcoholism, juvenile, 2899
alexia, 3117
amenorrhea, psychogenic, 3083
anorexia, & obesity, 6239
anxiety, acute, 6239
child, 2911, 4579
hysteria, 4667
aphasia, 4610
aspermia, 7756
astasia abasia, 1432, 7843
asthma, 6412
behavior problem, child, 4560
& family, 6273
benzedrine delirium, 1203
child, behavior problems, 6239
contact disturbance, 6236
-mother treatment, 1100
neurosis, 6162
colitis, psychoanalysis, 6400
color blindness & glaucoma, 6965
compulsive eating, 4603
criminal, adolescent, 6239
crippled child, psychotherapy, 3161
delayed speech, therapy, 2953
delinquent, 7783
depression, 1320
& hypomania, 8831
destructiveness, 6239
diabetes, psychogenic, 6414
diarrhea & phobia, 6239
dream images, child, 8595
dyslexia, case, 7961(b)
dysphagia, 3054
enuresis, 3883
epilepsy, leucotomy, 4756
psychoanalysis, 6437
epileptiform neurosis, 6384
exhibitionism, 6262
extrasystoles, hypnotherapy, 6413
feeblemindedness, 2859
& neurosis, 1201
fetishism, 1218, 1221, 1227, 2909
folie à trois, 6228
frontal lobe injury, 7908
headache, hypnotherapy, 6305
high school learning, 4913
homosexual, 1235, 1252, 2901, 6237, 7783
homosexuality, female, 4589
hypochondriac depression, 1383
hysteria, 1361, 7849
hysterical figure, 3046
hystero-epilepsy, 8908
impotence, 3072
infantile neurosis, 1139
inhibited author, 5689
juvenile, delinquency, 6239
thief, 2968
latency period, 6239
Little Hans, 2779
melancholia, 4690
meningitis, aseptic, psychogenesis, 6426
with compulsion, 7863
mental deficient, therapy, 4541
migraine, hypnotherapy, 6390
mirror phantom, 4739
Mongolism, normal intelligence, 4532
mother relations, atypical, 6239
motor aphasia, hypnosis, 3128
multiple, personality, 7757
sclerosis & dementia, 6423
murder, adolescent, 4627
caste behavior, 4617
mutism, voluntary, 1260
necrophilia, 2938, 7783
neurodermatitis, hypnotherapy, 6401
non-reader behavior problem, 8060
normal, non-learner, 9012
obsession, child, 7710
-compulsion, 4685
obsessive-compulsive neurosis, 3053
Oedipus complex, manifest, 7732
paranoia, 4661
parental relations, inconsistent, 6239

petit mal, 4771
phobia, 1355, 4695
post-encephalitic, 7890
of storms, 1249
predelinquent, treatment, 6239
pregnancy fantasy, epilepsy, 7891(a)
premenstrual depression, 7754
premonition, as defense, 1251
projective techniques, 2878
pseudocyesis, 4584, 6415
pseudofeeblemindedness, 4534
pseudoglaucoma, 7859
pseudoschizophrenia, child, 6239
psychoneurosis, 1373, 6127, 7845
psychosis, cyclic schizo-affective, 1343
infantile, 7743
psychotherapy, drawing in, 7603
psychotrauma, from cinema, 8832
pubertas praecox, 7876
reference neurosis, 4689
renifleurism, 1254
residential treatment, 6239
rheumatism, psychosomatic, 1404
sadism, 4555, 4556, 6243
schizophrenia, 1323, 1341, 4685, 6352, 6363, 6370, 7811
braille hallucination, 6448
brain haemorrhage, 1310
& head trauma, 1324
& homosexuality, 2992
paranoid, 6335, 6366
paresthesias, 1312
psychoanalysis, 3021
recurrent, 6340
schizophrenic inventor, 1306
sexual-fear conflict, 6087
sibling rivalry, 4550
sleep paralysis, 8909
social maladjustment, 5114(t)
stealing, 7780
suicide, paraplegic, 3139
Szondi personality evaluation, 4561
test performance record, 3676
torticollis, 4723
transvestitism, 1209, 2934, 4554, 4575
triorchidism, 6269
ulcerative colitis, 7862
uncanny feeling, 8804
vertigo, neurotic, 4700
vestibular hallucination, 1343
visual, agnosia, 6431
verbal agnosia, 1264
withdrawal, 2790
word deafness, brain lesion, 1278
writer's cramp, 4692
Casework (See Social work, case)
Cassel Group Level of Aspiration Test, 104
Cassel Psychotherapy Progress Record, 7577
Caste, in Ceylon, 768
& class, Peruvian village, 2469
India, social distance, 7404
Indian, & murder, case, 4617
Castration, fear, women, 6257(b)
Cat, EEG in sleep, 268
escape drive, & dog, 2184
Cataplexy, & acute aggression, 6248(a)
& aggression, 7736(a)
jaw weakness in, 7672
nature & treatment, 6417
Cataract, extraction, behavior sequels, 4719
Catatonia, electroshock treatment, 3036
infantile, 6367
Catharsis, pentothal, values, 4430
& transference, 2740
Cathexis, body, & self, 5683
Catholicism, observances, regional differences, 754
& personality theory, 8273
& race question, 7395
Cattell F Test, factor, critique, 8720
& personal background, 8721
Cattell Infant Intelligence Scale, performance, & clinical judgment, 4353
Cattle, grazing behavior, 5498, 5501, 5518, 5554, 5562
Causality, & behavior, 29, 37, 40
& determinism, Adlerian, 82
Cause, in psychology, 4020
Celastrus paniculata, in feeblemindedness, 1193
Celocurin, as relaxand, in shock therapy, 8750
Census, population, accuracy, 4172
Centers Conservatism-Radicalism, Battery, scale analysis, 719
Cerebellum, cortical localization, 8373
disease, & eye fixation, 6968
electrical stimulation, 1998
projections, spiral pathways, monkey, 8386
& sensory-motor centers, 253
Cerebral cortex, ablation, & abstract attitude, 264
action, patterns, sound stimulus, 284(a)
potential, sound stimuli, 391(a)
afferent projections, & spinal pathways, 5358
alcohol, & electrical activity, 3705
anterior limbic, function, 5360
auditory, ablation, & sound discrimination, 2154
frequency selectivity, 6908
pattern discrimination, 384(a)
& tonal patterns, 380(a)
vs. cochlear response, 5481
& autonomic responses, 5363
& consciousness, 1975
depression, vascular concomitants, 2012
electrical stimulation, response, 1976
epinephrine, local effects, 2000
evoked potential, spread, 6913
frontal, & intelligence, 267(a)
& hypothalamus, electrical activity, 266
inclusions, in psychoses, 4673
inhibition, & conditioning, 5370(a)
non-Pavlovian concepts, 5379
localization, history, 1988
imposed electric current, 8393
porcupine, 274(a)
mapping, & proprioception, 6904
medial, motor responses, 8896(a)
& mind, 257
motor, ablation, & myoclonus, 1997
excitability, & visual afferents, 6922
maps, monkey, 276(a)
unit representation, 6912
neuronographic analysis, 5366, 5375
nonconvulsive stimulation, responses, 8773
optic, electrical response, 6898
retinal representation, 6906(a)
paleo-, behavior changes, 290(a)
potentials, 270(a)
response, temporal dispersion, 6368
sensory, small lesion, effects, 8372
single unit activity, 6893
somesthetic association area, 8369
spontaneous electrical activity, 3708
stimulus summation effects, 8377
& taste, 6895
& vasomotor response, 8381
& vestibular analysis, 386
visual center, response to light, 2002
& voluntary movement, 5368
woodchuck, & hibernation, 277
Cerebral palsy, adult, adjustment, 3120
emotional problems, 6420
language difficulties, 4734
psychological, factors, 3119
needs, 4776
anxiety, & speech, 1414
bibliography, 4760
& blindness, 4757
brain metabolism in, 3124
child, development, 1182
education, 8043
self-concept, 8932
communication problems, 7905
community resources, Connecticut, 3116
description of, 7896
educational goals, 1529
group therapy, pre-school child, 6420
hearing defects in, 4750
intellectual examination, 7919
intelligence, & adaptation, 6422
multiple handicaps, child, 4742
obstetrical factors, 4731
parent attitudes, 4768, 6435
& behavior, 3121
parental, acceptance, 7911
adjustment, 1532
Parents Institute, evaluation, 7901
perceptual deviations, 7892
personal data, 6419
psychological, evaluation, 3135
examination, 3141
psychometric evaluation, 3111
research needs, 3114
school, centers for, 8054
programs for, 3256
sensory disorders, 7897(a)
somatopsychological relations, 8933(a)
special classes for, 4908
speech, analysis, 3115
& laterality, 7904(a)
teacher attitudes, 3247
training, in institution, 7894
vocational rehabilitation, 4779
Certainty, in behavior, concept of, 6739(a)
Certification, ABEPP, report, 6856
legislation, for psychology, 5296, 5299, 5302, 5306, 5308, 5325
Ceylon, caste system in, 768
students, intelligence & skills, 8658
subcultures, mental ability, 8662
suicide & homicide, 775
Cézanne, paintings, psychology, 4070
Chaffinch, courtship, & copulation, 409
Character, analysis, & transference, 6145
development, & home, 6299
education, factors in, 8012
formation, 5660
neurosis, nature of, 1376
research, & adjustment patterns, 6722(t)
resistance, & psychoanalysis, 1084
& social structure, 7339
tests, vocational selection, 6014
Characterology, anal phase, 5744(b)
Charcot, J. M., biography, 8333
Cheating, college, reduction in, 1513
Chemical, sensations, 312
Chemoreceptor, conditioning of, 8515
Chess, Queen, psychoanalysis, 1643
Chi square, in birth order effect, 3579
machine computation, 114
& regular beat asymptotically normal, 148
Chicago Institute for Psychoanalysis, psychiatric theory, 3528
research, psychosomatic, 4725
therapy, 4439
training program, 3673
20th anniversary, 3495
Chicken, nerve disorder, genetics, 4747
sound signals, analysis, 3833
Child, ability, & grammatical analysis, 7963
abstraction ability, 8605
accident proneness, 8593
personality, 628
adoption, adjustment, 7312
anxiety, 2309
& test prediction, 1725(t)
textbook, 2331
adult empathy with, 7294
aggression in, 7731
& rearing practices, 2347
allergic, textbook, 8928
asthmatic, EEG, 5359
attitudes, to parental happiness, 4247
teachers' understanding, 3472(t)
toward war, 800
auditory disorders, textbook, 7063
autistic, form perception & imitation, 7300
behavior, English vs. American attitudes, 4192
& family position, 2332(a)
high vs. low social acceptance, 2310
observation booth, 90
bilingual, characteristics, 1473
& personality, 8577(a)
birth theories of, 7291
body function conceptions, 7292
boy, guilt & fear correlates, 1719(t)
peer relations, & family, 1735(t)
brain-injured, characteristics, 4761
camping, & health, 618
values, 641
causal relations, incidental clues, 8576
cerebral, damage, diagnosis, 8936(a)
palsied, mutiple handicapped, 4742
character formation, & school, 630
cinema influences, 605
color, associations, to emotion, 7124
response to, variability, 8585(a)
comic book, effects, 4086
reading, 7255
comprehension, verbal abstractions, 6518
concept, being alive, 4084
formation, 4362
conditioned reflexes & development, 8591
conditioning to verbal stimuli, 8609
conscience, development, 7313
creative products, & adjustment, 8598(a)
creativity, & adjustment, 7206
credibility, in court, 2973
crippled, emotional problems, 4791
reeducation, 6352
deaf, auditory training, 4783
development, 3165
India, 4905
psychology of, 8953
deafness, effects, 4793
diseases, & development, 5746
disobedience, 4060
dramatic taste, 4078
drawing, & body image, 5723
effect of direction, 7307(a)
ego & self in, 621
golden section in, 7267
human figure, 2335
dream interpretation, 7260
dreams, in diagnosis, 4305
ego manifestations, 3464(t)
EEG, & Bender-Gestalt rotation, 4361
emotion, conditioning, 2191
& father occupation, 7297
epileptic, Rorschach, 4764
evacuated, tensions, 5729
exceptional, clinical services, 878, 4296
emotional quandries, 6212(b)
pediatrics, textbook, 6778

psychology of, 6219(b)
rural clinics, 6164
social responsibility, 6209(b)
textbook, 3246
experiences, & personality, 5991
eye injury, & psychosexual development, 4094
family, relations concepts, 8600(a)
topological field, 2462
fantasies, Negro vs. white, 2323
fear, in early, 7128
finger painting, 938
first, father &, 4076(a)
flood victims, camp therapy, 5724
freedom concepts, 2311
frustation, & achievement, 4083(a)
adjustment, 626
germ conceptions, 7293
German, word recognition, 1491
ghost beliefs, Ifaluk, 2504
gifted, American Association, 4977
classroom roles, 4883(a)
families of, 7305
research needs, 7253
teacher opinion, 4901
girl, behavior control, 5717
gratifying experiences, effects, 2667
group, living, counseling, 615
structures, 616
handicapped, international agencies, 3168
rehabilitation, 6447
speech problems, 6278
hearing, defect, high frequency, 7067
loss patterns, 379
heart disease, psychological reactions, 7860
homeless, rehabilitation, 2789
hospital, professional teamwork, 2785
hospitalization, effects, 2319
reaction to, 642
ill, nursing psychology, 1395
illegitimate, 7440
illness, attitude towards, 624
impulse, ego, & superego, 1700(t)
independence training, & motivation, 4100(a)
institution, staff role, 637
institutional, play music program, 4093
institutions, personnel for, 614
intellectual activity, & cognition, 5738
intelligence, cognitive vs. practical, 539
interrupted task, factors, 3871
language difficulties, 8567
learning, improvement, 4057
latent, 8542
& projective production, 3468(t)
reinforcement, 523
mathematical concepts, 5749
mental, health, & family, 5726
hygiene research, 4293
misunderstood, 7290
money allowance, 7273
moral, development, 7286
training, method, 7256
Mosaic test, national differences, 2505
mother, relations, & abortion, 8583
separation, effects, 604
mother's attitude, first & second, 8594
mulatto, Germany, 4239
myopia, & school work, 5442
needs, & Apperception Test, 2685
failure to recognize, 4092
Negro, behavioral development, 5736
& non-segregated schools, 6547
number concepts, 8602
development, 5733
obese, psychogenesis, 1220, 3079, 3092, 4727
observation, method, 7269
older parents, 7252
opinions on education, 8608
orphanage, love wishes, 7270
parent, attitude changes, 7365
interaction, neurotic patterns, 1358
race attitudes, 740
relations, variables, 4075(a)
similarities, 1696(t)
& age, 7257
values, 7262
parents' adequacy, 7277
perception, Rorschach, 6012
perceptual organization, 4062
performance, & area factor, 631
personality, & age mates, 637
& cultural factors, 2329
development, 4091(a)
factor structure, 2269
& family, 570
Jew, 2539
& maternal care, 2338
pictorial letters, 2642
test factors, 7212
physical defects, reaction to, 6454
physically handicapped, services for, 7936
vocational adjustment, 7934
placement, casework with mother, 6776
play, group, 611
theories, 619
prejudice in, 739
premature, births, adjustment, 2308
care, 603
prognosis, 5708
prestige, & social class, 5867
values, & socioeconomic status, 7298
problems, solving, 2349
story books illustrating, 6155
professional illusion, 4503
psychiatry, review, 1150, 6152
psychoanalysis, 6344
review, 8775
therapy, critique, 2718
transference, 1098, 7604
psychotherapy, rewards in, 4461
race prejudice, effects, 606
racial, attitudes, 5759
changes, 766
preference, Hawaii, 5758
radio listening, 850
reaction to articulation defects, 7282(a)
reading, & television, 8009
religious life, 7283
research, bibliography, 4097
response, to human vs. animal pictures, 6019
to skin color, 4085
responsibility in, 8599
Rorschach responses, 2635
school, partially-seeing, 3170
self-concept, in cerebral palsy, 8932
sex crimes against, 2966
sexes, interpersonal attitudes, 8582
size estimation, 5444
social, acceptability, peer group, 4884
attitudes, & television, 7304
success, & family size, 5742(b)
socialization, classroom, 1508
speech development, Pavlovian theory, 8592
step, adjustment, 648
study, in Turin, 610
superior, ability, 8751
education, 3051
reading skills, 3234
science study, 9019
subject attitudes, 3251
textbook, 608
time relations, understanding, 2317
television, impact on, 7442(a)
interests, 4095
thematic picture responses, 8710
thinking, & epistemology, 5748
processes, 541
tonsillectomy, emotional trauma, 8917
preparation for, 4099
touch perception, 2024
understanding, global, 3906
of jokes, 7311
visual examination, 3748
vocabulary, auditory vs. visual, 7952(a)
size, 7960
vocational, choice, Israel, 2804
interests, 8586
war born, father relations, 5756
weight perception, 317
welfare, psychotherapy in, 4422
well adjusted, follow-up, 8607
witness, competency, 5710(b)
workers' goals for, 1632
writing, word frequencies, 6496
younger, leisure activities, 2350
(See also Pupil (school)
Child behavior problem, & aggression, 7731
projective tests, 2937
alcoholism, case, 2899
anxiety, 3233
case, 2911, 4579
autism, 8945
music reactions, 3030
Benadryl treatment, 7634
& Binet test patterns, 6004
boys, EEG, 2902
cases, collection, 6239
catatonia, 5367
changes, & Rorschach Test, 6159
contact disturbance, case, 6236
cruelty, 4089
diagnostic, criteria, 6221
problems, 1095
dream images in, case, 8595
eczema, 6410
EEG in, 3138
ego restriction, case, 7706
emotional disturbances, education, 6548, 6551, 6553, 6556, 6557, 6561
nursing care, 2798
resident treatment, 8779(a)
school, 6565
treatment, 6234
enuresis vs. nightmare, 1259
epileptiform neurosis, case, 6384
etiology of, 6157
& classification, 2893
fears, 7717
girls, & mothers attitude, 5732
homosexuality, 7707
hospital for, 1104
infantile, neuroses, 1096
psychosis, 7743
institutional adaptation, 644
& intelligence, 2784
jealousy, 7750
lobotomy in, 1108
mental hospital unit, 2793
multiple, case, 4560
neurotic, psychoanalysis, case, 6162
non-reader, case, 8060
parent manual, 650
& parental attitudes, 2704
peculiar child, 2944
& physiological stress reactions, 6235
psychoanalytic theories, 2786
psychopath, diagnosis, 1257
psychoses, 1310, 7825, 7741
psychosis, research problems, 7814
psychosomatic, 6397, 7881
& teacher attitudes, 8610
rehabilitation, case, 5114(t)
research & treatment program, 7642(a)
residential treatment, case, 6239
review, 8702
rheumatic fever, & emotions, 7857
running away, 1279
schizophrenia, 1338, 3040, 6337, 6338(a), 6339, 6349, 7803
diagnosis, 6221, 7812
& schizophrenic sequels, 1315
shyness, 7748
suicide, 2904
attempt, 2916
& summer camps, 7633
teacher attitudes, 3314, 4958
treatment, hospital, 1107
withdrawal, 2924
Child care, African primitive tribes, 4187
coercion & freedom in, 3179
discipline in, 653
ethnology, bibliography, 2273
& family tensions, 818
& impaired home, 2352
mental hygiene of, 5720
& modern society, 2325
& mother's intelligence, 5703
& parent, attitudes, 625
behavior, factor analysis, 4087
manual, 659, 5735, 5750
permissiveness, 4074
psychoanalysis, 8597
personality, & culture, 782
problems in, 2322
programs, national, 612
responsibility training, 5728
rural families, 8588(a)
textbook, 651, 7276
training, Rimrock, 1708(t)
Zeepi, 1701(t)
training concepts, 2355
Child development, 7289
Adlerian theory, textbook, 5730
Bible stories, influence, 655
body, Israel, 643
& consciousness, 8494
& blindness, 6453
boy, textbook, 5745
& camping, 617
chart, 2315
in closed homes, 2337
& congenital activity type, 7275
& divorce, 2314
eating behavior, 5743
& educational climate, 7943
ego disturbances, 7310
in family vs. institution, 649
& father's desertion, 5740
& handedness, 7271
home & school in, 7258
mental, review, 609
motor abilities, 7279(a)
object relation formation, 7301
oppositional behavior, 7254
personality characteristics, 1155
physical, review, 622
physiological maturity indexes, 4090
& play, 7302
values of, 7288
pre-school period, 2343
psychoanalysis, review, 8604
social skills, 7269

socialization, 634
Soviet theory, 640
speech articulation, 7295(a)
study, convergence method, 8579
textbook, 639, 5721, 5722, 7280
& visual defects, 4787
Child guidance, adolescence, psychoanalysis, 2781
adoption & therapy, 6154
camping program, 6163
child-mother treatment, case, 1100
clinic, case & group work, 1102
& community needs, 2782
group intake procedure, 2796
organization, 1103
pre-school, intake, 2778
psychocultural approach, 2792
group psychotherapy in, 4492
& family, casework, 6167
relations, 7644
finger painting in, 7648
hostel care, 1099
hypnotherapy in, 2777
institution, residential staff, 7645
& juvenile court, 1097
London Institute, 6161
occupational therapy in, 2775
parent collaborative therapy, 6165
pediatrician & psychiatrist in, 7635
physically handicapped, 6432, 6456
preventive, parent help, 7643
professional team work, 2785
psychoanalysis in, 2783
religious symbolism, 4557
psychodrama in, 1106
with family, 4476
residential treatment, 6556, 6561
workers, 6548
review, (1953), 7639
rural services, 6164
& school social work, 6153, 6158, 6569
& summer camp, 7633
teacher &, 8059, 8066
textbook, 2786, 2788, 6151, 6156
therapy, evaluation, 1101, 4387
treatment continuation, prediction, 6166
in U. S., 7641
in Valais, 1105
Child (pre-school), bilingualism, nursery school, 7455
blind, services for, 1526
blindness in, 4784
cerebral palsy, group therapy, 6420
deaf, rehabilitation, 7924
development, 2343
psychoanalysis, 5758
doll play aggression, 5709
geometrical form bisection, 5754
group auditory training, 6444
hearing loss detection, 7931
interest questionnaire, 106
language, development, 2333(a)
readiness, 1498
mental hygiene, clinic, 2797
nursery school adjustment, 7278(a)
painting, free, analysis, 8581(a)
parent, counseling, 7637
manual, 7261
physically handicapped, school, 8038
play, & aggression defenses, 8575
pre-adoption appraisal, 5727
psychology of, 2324
Puerto Rican, IQ, 2471
Rorschach, responses, 6058(b)
treatment center, intake, 2778
Child psychology, observation, observer values, 7309
of Piaget, J., 186
review, (1953), 5737
textbook, 633, 2313, 2344, 5747, 8590
theory &, review, 635
Childbirth, depression following, 3085
emotions in, 7878
self-hypnosis in, 3078
Childhood, experience, & mental disorders, 6186
memories, in autobiographies, 7296
psychotrauma, & neurosis, 3045
Children, & world situation, 2336
Children's Apperception Test, ambiguity & productivity, 977
& child need conflicts, 2685
supplement to, 927
Chimpanzee, concurrent discrimination learning, 487
picture perception, 5395
China, family, disintegration, 4198
mental disorder incidence, 6202
social relations & organization, 5878
Chloroquine, & visual accommodation, 6967
Choice, response, & information theory, 3902
Cholesterol, & electroshock therapy, 981
Choline esterase, in schizophrenia, 8903
Christianity, orthodox, regional differences, 813
vs. voodooism, Haiti, 5886
Chronaxie, measures, in clinic, 6430
sensory, in infants, 2030
Chronograph, interaction, & leadership rating, 7375
multi-channel printing, 1826
Church, & mental health, 5990
Cigarette, brand identification, 1668
smoking, & flicker fusion, 8419
Cinema, child & adolescence, reactions, 7281
& children, 605
for emotional adjustment, 1273
Miracle of Milan, 4061
perception & personality, 1767(t)
projection into, factors, 3684(a)
psychological problems, 4066
psychotraumatization, case, 6832
stereoscopic, apparent size in, 5076
Cingulate, gyrus, lesions of, 3110
isolation, for psychosis, 1327
Cingulectomy, personality changes, 4775
Circumcision, & bisexuality, 460
Circumstantiality, psychoanalysis of, 6242
City, industrial, attitudes in, 812
Civil defense, mental health implications, 4159
participation, attitudes to, 7433
psychological problems, 4122
Civil service, federal, college student attitudes, 1603
Great Britain, psychology in, 6627
job evaluation, 8116
supervisors, selection of, 8158
Civilization, Western, on East, 743
Claparede, E., educational psychology, 5290
Class, & caste, Peruvian village, 2469
Classification, for alcohol literature, 1907
of behavior disorders, 6193
method, generalized distance function, 6803
psychiatric, diagnosis in, 2817
in psychopathology, 2828
tests, deaf-mute, 4790
Classroom, behavior, & teacher, 4975
characteristics, measuring, 3281
climate, & social acceptability, 8033
democracy, & interpersonal relations, 8963(a)
environment, & pupil welfare, 7946
instruction, supervision of, 6489
vs. independent work, college, 7977
learning, measuring telemeter, 1486
organization, & achievement, 6572
& social acceptability, 4884
practices, & school learning, 3518(a)
seminar, group integration, 7990
small discussion groups, 6523
social structure, & achievement, 4815
& mental health, 6533
Claustrophobia, psychoanalysis, 1364
Cleft palate, audiology, & otorhinology, 7769(a)
factors in etiology, 4606
problems of, 3167
speech, face & tongue movements, 2951
tongue flexibility in, 1271
Clergy, as clinic team member, 2567
counseling by, 894
& military prisoners, 1280
pastoral psychology, 2586
& psychotherapy, 1037
rabbi, & pastoral psychology, 2575
Clerical, aptitude, Detroit test, 4097(a)
test, Belgium, 8145
vs. interest, 1616
interests, vs. aptitudes, 4496
Short Employment Tests, 3339, 8194
tests, employment, 1844
workers, job satisfaction, 6656
production & job satisfaction, 5025
selection, 6642
successful, personal factors, 9071(a)
Clerk, bank, testing, 1670
Click, & geniculate body response, 1984
Climacteric, dark adaptation in, 3788
male, personality changes, 4108
Climate, & behavior, textbook, 234
Clinic, community, group psychotherapy in, 7590
for exceptional child, 878, 4296
fees, values, 2736
group intake procedure, 2796
for mental defectives, 7703
psychological school program, 7638
reports, writing manual, 2568
in rural, areas, 5988
exceptional children, 6164
team, clergy as member, 2567
integrative process, 4466
interprofessional relations, 4317
& total patient care, 4424
Clinical, judgment, & test performance, 4353
methods, in applied psychology, 5057
predictions, from MMPI, 4362
vs. actuarial, 2602(a)
report, practical utility, 4307
skill, personality diagnosis, 3675(a)
training, supervision in, 3663
Clinical psychologist, in prisons, 5309(a)
& psychiatrist, 194, 213
in psychotherapy, 224
self-other concepts, 2581
training of, 221
problems, 203
Clinical psychology, agencies, Turin, 893
bibliography, theses, 5992
concept, & psychiatry, 230
course outline, 1954
in criminology, 1282
difficulties in, 203
diploma mills, 5312
doctoral dissertations, 6873
& education, 208, 1449
& general psychology, 5122
in Germany, 2559
in Great Britain, 5979
history of, 5323
in industry, 1609
limitations of, 213
meaning of, 8702
medical acceptance of, 5307
medico-legal aspects, 199
methods, 4287
nature of, 219
operational concepts in, 2587
orientation of, 204
in penal investigations, 1287
practicum student rating, 3680
private practice, 5297, 5314
privileged communication, 3661
in psychiatric hospital, 1156
& psychiatry, 215, 216, 218, 1128, 1131, 3666(a), 3678
role of, 3674
teaching, 3667
& psychoanalysis, 211, 214
publication media, needs, 5237
quantitative, critique, 4298
report writing, 3670
research in, 4301
review, 902, 4303, 7491
in school, 7638
significance of, 207
& social worker, clinic team, 3676
in teacher training, 201
testing, validity, 2624
textbook, 8702
training, diagnosis, supervision, 1953
fantasy interpretation, 1949
group psychotherapy in, 1946
programs, 5298
research problems, 1955
supervision in, 1950, 1957
in tuberculosis hospital, 2556
in U. S., 900
in V. A. hospital, 5982
Closure, perception, & culture, 2486
visual, & auditory, 3742(a)
perception, factors, 370
Clothing, psychoanalytic interpretation, 1244
women's, psychoanalysis, 5790
Coaction compass, for plotting personality variables, 6037, 6038
Cocaine, Freud's studies on, 5277
Cochlea, dynamics, mathematical theories, 2150
efferent nerve tract, 3711
hydrops, & noise susceptibility, 378
mechanics, theories, 2138
microphonics, & blood oxygen, 5482
KCl & direct current, 2144
pitches in, formulae, 2139
trauma, intense sounds, 7049
vs. auditory cortex, responses, 5481
wave motion in, & bone conduction, 3644
Cockroach, sense organ responses, harmonic stimulus, 5403
Code of ethics, for psychology, 1944, 1945, 6872
& industry, 3681
sociological research, 3465
Coefficient, correlation (See Correlation)
regression, Behrens-Fisher problem, 3570
Coffee, & color vision, 3818
Cognition, central, serial behavior, 5587
& ego psychology, 3916
& intellectual activity, 5738
& language structure, 5958
organization, & social relations, 2422
& perceptual organization, 2250
& personality theory, 4048, 4050

in schizophrenia, 5190(t)
styles, in categorizing behavior, 5641
tasks, & self-organization, 5644
Cohesiveness, group, concept, 4112
Cold pressor test, in psychosis vs. psychoneurosis, 8795
Colitis, psychoanalysis, case, 6400
ulcerative, psychoanalysis, 1391
case, 7862
psychotherapy, 1382
vs. ulcer, test comparison, 6408
Collectivity, ethnic group as, 2507
College, accounting achievement prediction, 1479
achievement, ACE prediction, 6586
& High School Battery, 6588
prediction, 6595, 9045(a)
& Wechsler scores, 1570
admission, & high school rank, 4955
student appraisal, 3183
attendance, & high school graduates, 1505
biology, evaluation in, 4843
cheating, reduction in, 1513
classroom, democratic procedure, 4834
& social leadership, 5842(b)
community, psychological aspects, 3456(t)
counseling, by librarian, 9031, 9032
program, relations, 4912
users of, 6567
course, evaluation scale, 6466
student ratings, 4974
curriculum, psychology of, 8010
democracy in, 1517
engineering, achievement prediction, 1675
entrance, examination scores, 4936
evaluation program, 8071
evening students, counseling, 1534
examination service, values, 8075
exemption examinations, 3283
grades, prediction, & practice tests, 6583
predictors for, 6598
grading, evaluation, 6585
graduates, vocational, adjustment, 6478
choice, 1121
women, adjustment, 3244
guidance, alumni evaluation, 6564
program, instructor in, 1548
& psychiatrist, 3269, 3270, 3274, 3280
industrial personnel recruitment, 4993
instruction, improving, 6472
junior, guidance effectiveness, 1547
psychology in, 5303
major, & Rorschach patterns, 6715(t)
marriage course effectiveness, 7972
mental hygiene, group therapy, 4918
program, 9023
Negro, guidance program, 9030(a)
personality assessment in, 1541
physics achievement, factors, 7951
pre-, guidance clinic, 1540
remedial reading course, 3189
selective retention, 4947(a)
small, psychology in, 5316
sororities, group prestige, 3245
study skills program, 9020
teacher, evaluation, 4962
professional training, 9061(a)
trait ratings, 4972
teaching, & action research, 4846
discussion in, 6516
vocation courses, 1535
College student, achievement, & academic advising, 9063(a)
counseling &, 1542
& high school rank, 4955
& physical fitness, 6524
actor, vs. professional, personality, 1685
admission deficiencies, & achievement, 8980(a)
aesthetic attitudes, 9000(a)
animistic thinking of, 3232
appearance, & choice status, 4890
aptitudes, test rate scores, 8074
Arab, sex behavior, 8025
art, & Rorschach response, 4319
attitude, to military service, 4893
rigidity, 8026
towards federal employment, 1603
attitudinal motives, 6017
class instruction vs. independent work, 7977
comprehension, public discussion, 5973
counseling, & grouping, 9062
Japan, 6575
service, 8056(a)
views of, 3268
course ratings by, 4974
day preferences, 449
dreams, sex differences, 2246
drinking attitudes, 6546
drop-outs, characteristics, 3196(a), 6537
Indiana U., 9005(a)
in education, intelligence, 6597
employment interview, 3365
engineering, achievement & personality, 3283(a)
evaluation, as instruction, 8073
extracurricular participation, 4880(a)
5-minute vocabulary test, 1724
fraternity, attitude determinants, 4882(a)
freshmen, felt needs, 9010
guidance, ACE test, 3455(t)
reading test, 4817(a)
selection & placement, 3566(t)
goal aspiration, & achievement, 1500
grades, G.A.T.B. &, 1565
group, hearing test, 3151
participation, factors, 6541
home economics, academic mortality, 4847
housing, & adjustment, 9009(a)
India, dispositions, 8020
intelligence, & achievement, 9034
interpersonal choice relations, 6536
international relations, orientation, 4874
leaders, vs. non-leaders, 1510
learning method, evaluation, 3186
low ability, grades, & interest, 7980(a)
major field, & personality, 9008(a)
mathematics deficient, achievement, 6515
MMPI scores, & major, 4915
Near East, social attitudes, 1515
Negro, authoritarian ideology, 3481(t)
vocational choice, 6535
opinion, loyalty oaths, 2523
parental identification of, 6529
personality, & major field, 9004(a)
& residence hall acceptability, 6539
& sociometric status, 4886
personnel, & human relations, 4910
& living houses, 1549
work, textbook, 6563, 9028
political attitudes, 5917
probation, & ACE scores, 1558
factors, 4940(a), 8017
preprofessional, differences, 1554
problem solving, methods, 7196
professional, self-concepts, 1776(t)
reading, comprehension, 8968
disabilities, 8983
habits, 3240
improvement, 3192
& personality, 1493
skill improving, 7967
religious beliefs, 1509
ROTC, selection methods, 8094
retarded reading, & vocabulary, 3219
senior vs. freshman, test ranks, 6586
seniors, Graduate Record Examination, 6589
social, acceptance, & personality, 8028(a)
characteristics, 4889
issues, understanding, 6542
sociology, evaluation, 3194
staff assessment of, validity, 1573
status, & social class, 4887
superior, characteristics, 8023
survival factors, 8081(a)
vs. prisoners, personality tests, 8719(a)
vertical mobility, 1447
veteran, achievement, 4938, 7968(a)
vocabulary, growth, learning, 6525
test scores, 7552
vocational goal stability, 3276(a)
women, behavior & parent standards, 4894
group organization, 6544(b)
personality changes, 6543
& physical education, 6530
self concept & adjustment, 8016(a)
vocational interests, 1766(t)
war attitudes, 6527
workers, leisure activities, 4878
Color, associations to emotions, 7124
bee communication of, 5539
change, rhythm, fiddler crab, 8361
child's response to, variability, 8585(a)
classification, Hickethier's, 2085
& depth perception, 2128
detection, & air-sea rescue, 9111
differences, automatic calculation, 2106
discrimination, primates, 5612
& handwriting, 1504
& light sources, 7023(b)
mixer, differential, 1842
mixing apparatus, calibration, 8758
mixture, curves, 2094
naming, physiological concomitants, 3680
standard cards, 4179
perception, adaptation effects, 2086
preference, feebleminded, 2878
Puerto Rican children, 8030
in projective test, 7522
reponse, & ego functions, 7521, 7532
scaling, methods, 6723(t)
comparison, 8424
shock, & motor performance, 413
& size judgments, 3053
subjective, on television, 5466
temperature, & Rayleigh ratio, 356
vocabulary standardization, 335
Color blindness, Belgian Congo natives, 8656(b), 8660(b)
color comprehension, 6949
cone-monochromatism, 7037
discriminating ability, 7027
early history, 332
filter eyeglasses, 3390
& glaucoma, case, 6965
large test field responses, 6990
test, response time, 2113
Color vision, adaptation, & inadequate stimuli, 5443
anomalies of, 8407(b)
Benoid color-mixture, 3763
binocular, antagonism, after image, 7044
matching, 8410
& bright light adaptation, 6961
chromatic adaptation, & brightness, 8428
chromaticity diagrams, Motokawa, 3749
color photograph perception, 7015
defects, & accommodation reflex, 6974
differences, indexes, 2088
drug, & hypoxia, effects, 3818
in duck, 6957
dye sample, discrimination, 3396
& eye light absorption, 372
factors in, 7006
figure-ground & meaning, 345
foveal sensitivity, & chromatic adaptation, 2089
giant tortoise, 3810
peripheral retina, 2125
physical theories, 2100
pigeon, 6972
retinal, electrical stimulation, 3804
field, electrical sensitivity, 5414
receptors, & AC current, 2103
response, color shift, 8412
in schizophrenia, 8879(b)
small test fields, 5422
standard cards, 4179
subjective, individual differences, 3785
sunfish, 5437
test, self administering, 2114
textbook, 5451
theories, comparison, 367
review, 2120
synthesis, 5452
theory, three-component layers, 2115
ultraviolet light, 2049
Colorimetry, nomenclature in, 6989
tables, 5451
Coma, hypoglycemic, & EEG, 6925
Combat, & basic training type, 8129
behavior, & leadership, air commanders, 8211
infantry effectiveness, 8126
performance, bomber crew, criteria, 8640
& career guidance test, 8136
criteria, 8128
criterion measures, 8127
& self-description, 8135
vs. Military Subjects Test, 8133
personnel measures, validity, 8134
preventive psychiatry in, 6184
success prediction, 8160, 8178, 8191
zone, psychiatry in, 8791
psychotherapy in, 8749
Comic, & ego development, 859
Comics, characters' goals & means, 2549
children reading, effects, 4086
effects of, 7255
Committee for Research in Problems of Sex, history, 2151
Communication, aphasic, 6280
attitude change, factors, 8690(a)
& audience attitudes, 5950
bee, & human language, 5945
of bees, 862, 4269
behavior, & opinion formation, 4271
as a behavioral system, 7454
of business executives, 5940
communicator cues, & opinion change, 2542
concept learning, 491
definition of, 7445
equipment, speech intelligibility evaluation, 9106
& family dynamics, 5906
fear-arousing, effects, 853
& group, behavior, model for, 8689
pressures, 7361(a)
humor in, 1799
industrial, suggestion system, 5023
insects, 701

inter-individual systems, 2547
international, research, methods, 836
interpersonal, barriers, 7464
measurement problems, 870
labor-management, 6660
relations, 3372
& language, 8681
job analysis, 8236
& visual form, 4282(a)
management, & employees, 8206
evaluation, 9093
publications, 3370
-labor, 6659
mass, in Africa, 2539
audience nature, 4265
factor in, 844
& mate selection, India, 8667
primary group in, 8682
message diffusion, factors, 4263
& morale, small groups, 2437(a)
music as, 1757(t)
noise as latent, 2536
to non-industrial countries, 873
non-verbal, interviews, 6097
symbolic behavior, 5148
officer, course, success prediction, 4827
& opinion formation, 846
oral, management-labor, 8210
readability formulas in, [illegible]
patterns, in organizations [illegible]
personal, barriers to, 5[illegible]
& persuasion, 5952
philosophy of values, 5965
problems, in cerebral palsy, 7905
in mental hospital, 8878
& psychiatry, 8803
psychological theory, 4264, 8296
in psychotherapy, 6136
& readability, 8683(a)
recall, & serial position, 2538
receptivity, conditions of, 7448
research, in administration, 863
international, 838, 860, 861
in science fiction, 7248
small groups, 2404
& social, behavior, 5963
& motivation, 5828
groups, 7370
& nationalism, 5912
speech, & hearing, textbook, 843
test manual as, 8083
theory, applications of, 5953
& language phonemes, 4261
& mental health, 4279
review (1953), 5961
in teaching educational psychology, 6867
threat appeal, & learning, 7453
verbal, in Russia, 7443
visual vs. auditory, 848
voice, intelligibility, 856
(See also Propaganda)
Communism, appeal of, factors, 4228
psychology of, 2430
Russia, social impact, 2439
Community, & adolescent, 5713
cooperative, sociology, 4223
group actions, research, 2461
inter-group processes, 824
mobilization, block leaders in, 5929(b)
organization, & social problems, 7438
textbook, 2399
& youth maladjustment, 4615
planning, social services, 7414
preference fields, 2407
research, intensive interviewing, 8647
rural, leadership, 4211
-urban, adjustment to, 4233
social, organization, Jamaica, 7394
participation, factors, 7431
study, survey methods, 7387
Comparative psychology, review (1953), 5138
textbook, 6736
Competition, & group opinion, 702
in public schools, psychology, 3231
Completion, of task, 3851, 3852
Completion Stories Test, 1850
Complex Coordination Test, difficulty scale, 1627
physical difficulties, 5006
Compliance, social, analysis of, 7336
Composition, written, in primary grades, 8977
Comprehension, prose, vision & audition, 6943
understanding, & explanation, 4020
Compulsion, & anxiety, 4565
& cognitive-perceptual performance, 4699
conformity, dynamic factors, 2275
disorders, metabolic pathology, 3066
eating, case, 4603
improvement in, 1368
obsession-, apperceptive distortion, 7218(a)
ascorbic acid, 3063
in tuberculous meningitis, case, 7863
Computer, digital, in optical design problems, 1872
test scores, 6765
Concept, areas, & language, 8552(a)
formation, adolescents, 8550(a)
child, 4832
& differential reinforcement, 7192(a)
& education, 3181
feebleminded, 7694
flower design cards, 94
genetic & culture, 3463(t)
social process, 7370
theories of, 5642
grouping problems, 4027
learning, communication analysis, 491
negative instances, 537
as operator, in theory, 3494
semantic analysis of, 7446
thinking, of deaf, 7953
Conception, as psychic trauma, 538
Conceptual Matrix, 993
Concussion, syndrome, psychic, 1428
Conditioning, alimentary, methods, 5620
reflexes, 5600
of alpha rhythm, 5371
American research, critique, 8360
& anxiety, 527, 2236
measurement, 483
time relations, 1707(t)
apparatus, for turtles, 3540
auditory-verbal, & cortical ablation, 2211
autonomic, & respiratory responses, 2230
avoidance, no warning signal, 3991
of blood, oxygen, 1971
pressure, 1966
& cortical inhibition, 5370(a)
dermographia, 8541
drive, & hunger, 3932
& emotion, animals, 5617
& tetraethylammonium, 3937
emotional, & CS_2 convulsions, 5609
& electroshock, 5596
& anesthesia, 241
of emotions, children, 2191
erythrocyte count, 247
extinction, & operant strength, 7136
eyelid, psychotics vs. neurotics, 2844
stimulus, interval, 3969, 3970
strength, 526
fish, & response threshold, 5516
food amount, & reinforcement, 3967
GSR, generalization, 7151
goal shift, behavior results, 7191
hearing, subthreshold, 1781(t)
heart rate, varying interval, 3924
& hypnosis, 5529
inhibition, factors, 5631
intestinal wall absorption, 2225
morphological factors, dog, 2220
motor defensive reflexes, dog, 5559
muscle tension, & paired tones, 7106
operant, apparatus, 98
delayed, reinforcement, 4002
hunger, & manipulandum type, 3976
& light, pigeon, 2216
sucrose reinforcement, 7153
pneumovascular reflex, 8537
pre-, sensory, & deprivation, 466
reflexes, summation, 5365
& respiration rate, fish, 493
response, & stimulus magnitude, 7171(b)
saliva collection apparatus, 5193
salivary, center, irradiation, 5614
& vestibular stimulation, 5613
sensory pre-, & GSR extinction, 7134
& shock therapy, 2214
sound, subthreshold, 7190
speed, children, factors, 497
stimulus, intensity, & response strength, 494, 7176
significance, 3930
urination recording, 5190
venous pressure & tonus, 8514
verbal, in interview, 7143(a)
non-reinforcement & alternative responses, 8536(a)
stimuli, children, 8609
without awareness, 8518(a)
vs. problem solving, neurosis, 3062
vestibular apparatus, 5479
visceral, dogs, 8515
Cone-monochromatism, 7037
Conference, decision making, conflict in, 5809
international, research on, 5848
study of, 5818, 5833
leader in, 8117
participation, recording, 2394
Confession, legal, psychological methods, 1677
of sin, primitive tribes, 4237
Confidence interval, of M estimate, 1879
Conflict, approach overtraining, 1729(t)
behavior, in animals, 3850
& reinforcement, 3942(a)
in decision making, 5809
episode analysis, 8650
experimental, & reaction formation, 5680
intellectual, & human relations, 4141
in learning, & psychotherapy, 6107
& motivation, rat, 2189(a)
reduction, group approach, 4121
sexual-fear, case, 6087
Conformity, compulsive, dynamic factors, 2275
Confusion, acute, test performance in, 4655
Confusionist, as neurotic type, 1354
Consanguinity, & religion, 4243
Conscience, & behavior, 3508
child, development, 7313
& mental disorders, theory, 2832
Consciousness, in animals, 423
& cerebral cortex, 1975
language &, 5173(b)
loss, orgastic, 6252
& objective psychology, 8295
problems & correlates, 8494
vs. subconscious, Augustine, 68
Conservatism, & age, 5928
Consonant, & phoneme distribution, 5964
Consumer, attitudes, & demand, 5083
preference, & product control, 8269
shopping, urban vs. suburban, 6706
survey, questionnaire bias, 3434
Consumption, propensities, marginal, 7423
Content analysis, newspapers, method, 851
qualitative, methods, 858
Soviet satellite, & VOA, 864
VOA, methods, 852
Continent, psychology of peoples, 5879
Contingency, exact test for, 1887
square tables, evaluation, 1895
table, cell combinations, 119
Contraceptive, psychological factors in use, 8476
Contrast, simultaneous, & field separation, 6993
Control, reaching, & radial acceleration, 3392
Convergence, accommodation, in intoxication, 7007(b)
time characteristics, 3746
in fish, 6977(a)
proximal, variation, 3816
research on, 340
Conversation, in family, 4218
Conversion, religious & ideological, 2526
Convulsion, CS_2, & emotional conditioning, 5609
electroshock, age & sex, 8380
equivalent, pilocrection, 3132
etiology & pathogenesis, 1422
idiopathic, genetics, 1417
& maze learning, 3954
in normal behavior, rodents, 5499(a)
subcortical origin, 8934
Cooperation, & group opinion, 702
Cooperative, community, sociology, 4223
Cooperative English Test, score interpretation, 4863
Cornell Index, Okinawan reponses, 2483
in pilot selection, 3338
Corporation, boards, function analysis, 1666
Correlation, analysis, use of, 3557
auto-, & regression analysis, 6771
biserial, IBM computation, 1877
coefficient, dichotomized variable, 1889
IBM electronic calculator, 3607
use of, 1901
interpretation of, 3565
intraclass, maximizing, 145
line of organic, 1882
multiple, graphic method, 6787
techniques, comparison, 6791
with zero-order coefficients, 5229
negative, factor analysis, 6808
Pearson vs. Ayres formulas, 5225
qualitative data, 3577
Spearman rank, item analysis, 5230(a)
tetrachoric, abac estimation, 3596
mechanical computing, 6813
nomograph, 3583
tables, 1863
Corrigibility of scientific laws, 5187
Cortisone, in alcoholism, 8841
in depression, 8901
mental effects, 5336, 5337
in psychosis, 7810, 8876
psychosis from, 4652
in schizophrenia, 8883
steroids, psychological responses, 251
therapy, & EEG, 6923
& euphoria, 4465

Counseling, child, & social environment, 4493
& Christian ethics, case, 1020
in classroom, nature of, 923
by clergy, 894
client, -centered, in industry, 9099
-counselor collaboration, 1058
name use, 918
vs. counselor centered, 7636
collection, 4285
college, by librarian, 9032
library functions, 9031
program, relations, 4912
& student, grouping, 8062
users, 8567
conceptualization of counselee, 9033(a)
counselor self in, 1027
definition of, 4290
dissuasive tools in, 884
dormitory, & college achievement, 1542
effectiveness, measuring, 4417
engineering freshmen, 1566
evaluation, immediate vs. delayed criteria, 8707(a)
procedures, 4302
self-ratings in, 7471
evening school adults, 1534
expectancy tables in, 1615
of feebleminded, girls, 2879
parents of, 2858
first interview, & case development, 4316
& frustration, high school, 4911
group, & family, 992
procedures in, 4462
for student-teachers, 3304
high school, physically handicapped, 8568
underachiever, 1551
in industry, 4209
instructor's role, 889
& integrative behavior, learning, 7489
journal, new, 6835
as learning process, 7474
marriage, prevarication in, 5977
of medical students, 4924
non-directive, evaluation, 4920(a)
interpersonal relation changes, 1759(t)
in nursery school, 1543
in old age, 860, 7320
parent, of pre-school child, 7637
pastoral, 2586
textbook, 885
personal philosophy &, 901
of physically handicapped, critique, 3160
prayer in, 2704
in probation work, 4619
program, Y.M.C.A., 897
& religious values, 911
research, evaluation, 880
review (1953), 6001
school, & discipline, 9024
relationship, 4916
self-concept in, 7490
service, college, 8056(a)
layman's guide, 899
& minority groups, 2570
planning, 5999
short-term, in family agency, 995
student, attitudes toward, 3268, 4917
Japan, 6575
& parent, 1544
of teachers, by supervisors, 4957
textbook, 2583, 5907, 8703
popular, 2565
theories, common elements, 4288
theory, interactive conceptualization, 7488
semantics, 4283
training, for supervisors, 5047
trends, & integration, 892
vocational, & self-knowledge, 4501
talent search, 3332
Counseling Attitude Scale, 4917
Counselor, -client collaboration, 1058
English teacher as, 1533
interpersonal perception, 1012
marriage, as course teacher, 5986
personal characteristics, 879
personality characteristics, 7476
professional confidences, 8341
school, New South Wales, 8101
training, 4919
programs, 1538
selection by graduate schools, 6866
& self, in counseling, 1027
styles, analysis, 7476
trainee, empathy, 890
training, group procedures, 9027
Harvard program, 1545
interview recording, 8009
methods, 2621
Negro colleges, 8065(a)
programs, 5872
reality procedure, 2571(a)
role playing in, 5904
vocational, preparation of, 8787
training, 7856
Countertransference, (See Transference, counter-)
Court, juvenile, New York City, 6302
psychiatric reports for, 4628
Covariance, analysis, in psychology, 1871
Crab, fiddler, color change rhythm, 8361
Crane operator, selection, tests, 6635
Crary American History Test, 4864
Creativeness, & ability, 4023
Creativity, & adjustment, child, 8596(a)
age, & nationality, 8505
artistic, social meaning, 7241
basic problems, 4016
child, structure of, 7306
& culture, 4069
group acceptance, & achievement, 8511(a)
& perceptual organization, 7204
philosophy, textbook, 8274
projective techniques &, 2242
psychosurgery patients, 6124
spontaneity-, concept, 5650(b)
textbook, 5646
visual arts, tests for, 8567(a)
Credibility, child, 5710(b)
Crime & criminals, & alcoholism, 7798
causes of, 6297, 6323
character development, 6299
clinical psychology, 1282, 8702
in study, 1287
differential association theory, 6292
drive analysis, Szondi, 4631
& economic crises, 8674
feeblemindedness &, 7792
imprisonment, advice on, 6306
insanity, medico-legal concepts, 6334
intelligence of, 6294
legal responsibility, 6289
lying, 6241(b)
mental patients, 9871
military, & service motivation, 6313
motivation in, 6295
neurotic, case, 6239
in old age, 6310
personality, & social conformity, 6298
structure & EEG, 2974
psychiatry, & punishment, 6305
psychology, textbook, 8875
psychopathic, 6325
psychopathology, review, 6309
textbook, 2976
psychotherapy, contact in, 6317
reformatory prisoners, follow-up, 6330
responsibility, & culture, 6318
rural areas, 6296
Szondi test, 1299
women, responsibility, 6315
young adult, resocialization, 6311
Criminality, vs. psychoses, 6304
Criminology, American, review, 6288
Hiss case, 6319
relations of, 9864
textbook, 1283
readings, 2980
Criterion, biased, use of, 112
composite, & factor analysis, 121
development, review, 3599
group size, & item selection, 3569
in personality research, 2298
validity determination, 5818
Critical incident, & individual study, 3288
Criticism, reactions to, 2424(a)
Crowd, behavior, factors, 5837
Cruelty, children, 4089
irrational, psychoanalysis, 6238
Crying, excessive, infancy, 647
infant, as learned response, 8603
& parent behavior, 7308
Cryptorchidism, intelligence in, 1384
Culpin, M., obituary, 1920
Cult, heyóka, Dakotas, 8661
Cultural factors, in feeblemindedness, 7691
in personality, 2329
Cultural psychology, textbook, 2413
Culture, adaptation, & therapy, 2749
American, factor analysis, 5921, 8852
bias, of intelligence tests, 5655
& Catholic observances, 754
& causes of, 5787
change, review, 7402
types of studies, 5841
child training, & personality, 782
& closure perception, 2496
concept, in psychiatry, 1152(a)
conflict, & abnormal psychology, 5798(b)
& creativity, 4069
& criminal responsibility, 6318
definition of, 4120
development, environmental factors, 7380
differences, & intelligence, 4030
& drive inhibition, 771
dynamics, concepts & methods, 721
& economic factors, 2481
French vs. Athenian, 2493
Great Britain, factor analysis, 2396
& human nature, 3524, 5803
& intelligence, Negro, 2495
language, areas, 4186
& philosophy, 46
& mathematics history, 5124
& orthodox churches, differences, 813
& personality, 7409
textbook, 7401
& psychiatry, 2806
& psychological theory, 44
& psychoneurosis, 1363
research, empathy in, 4167
& social group work, 888
& societies, 2442
study methods, 5864
technological base, 703
theory of, 689
& treatment of aged, 5774
unity & synthesis, 5131
& value systems, 2412
Cultures, Africa, 4187, 5890
Australia, aborigines, 749
Australian, 5893
Bali, 4210
Bara, 7398
Belgian Congo, 8856(b), 8660(b)
Ceylon, 8656, 8662
China, 5878
Czechoslovakia, 7421
Dakota Indian, 8661
Ecuador, 4215
Eskimo, 4188
Garo, 770
Haiti, 5886
Hindu, 748
Ibo, 2511(a)
Ifaluk, 2504
Indian, 7397, 8666
Indian, (American), 5875
Brazil, 2509
Japan, 7936(a), 7406
Ita, 5897
Java, 5900
Menomini, 771
Nantes, 2500
Navaho, 2473
Nuer, 4191
Okinawa, 2483
Picardy, 2489
Polynesia, 7403
Puerto Rico, 4202, 4204
Rimrock, 1708(t)
Senoi, 7409
Spain, 5876
Tarahumara, 4194
Tepehuan, 7405
Tepoztlán, 4199
Timbuctoo, 760
Toda, 5889
Truk, 4195, 8668
Tutelo, 753
Venezuela, 5876
Wolof, 7389(a)
Yami, 7409
Zeepi, 1701(t)
Curare, & neuron action, 5355
Curiosity, in monkeys, 7111
Curriculum, guidance &, 6581
high school, alumni attitudes, 6470
& vocational interests, 4875
Curve, fitting, parabolic, 6776
punched cards, 6798
polygraph, analyser, 96
Cyanopsin, visual pigment, 5471
Cybernetics, biological, & social mechanisms, 1799
& human values, 43
& information, theory, 67
& mental functioning, 3532
psychology & neurology, 8294
Cyclothymia, & brain atrophy, 7915
organic etiology, 7832
Czechoslovakia, communist control of, 7421

Dakota, Indian, heyoka cult, 8661
Dalton, John, & color blindness, 332
Dance, therapy, mental, disorders, 7620
hospital, 6079
psychoanalysis, 5699
Dance-mime, as group psychotherapy, 982
Dark adaptation, carcholin effects, 8415
in climacteric, females, 3788
& congenital achromatopsia, 7021
electrical response in, 8951
electroretinogram in, 3754, 8411
& eye strength frequency curve, 3744
& flicker fusion, cat, 6973

form perception, 2099
& foveal dark adaptability, 8416
& illumination level, 8425
& light levels, 3776(a)
& luminance threshold, 2061
pre-exposure intensity & duration, 355
in pregnancy, 3789
red, goggle specifications, 5062
light &, 2098
time for, 3808
visual, acuity, & luminance, 6962
thresholds, 3750
& vitamin A, 6978
Daseinanalysis, 2754
nature of, 877, 991
in psychoneurosis, case, 4089
of sex perversion, 2892
Data, extreme, evaluation, 1864
suspected, rejection procedure, 3588
Dating, behavior, high school, 1506
Day, preference for, 449
Daylight, dawn brightness, & reading, 3817
DDT, & CO_2, in central nervous system, 2004
Deafness, -blind, communication & methods, 4782
education, 8040
child, auditory training, 4783
drawing of, 7927
Indian, 4906, 6451
intelligence, & maturity, 4794
Wechsler, 6449
psychology of, 8953
Puerto Rican, education, 3253
development, 3165
visual perception, 4788
classification tests in, 4790
community, & social problems, 3169
conceptual thinking, 7933
congenital, speech sounds, 1263
education, bibliography, 3264
educational, problems, 8042, 8045
provisions, 3250
emotional problems, 3162, 7930
institution school graduates, 8950(a)
intelligence, verbal elements, 7921
meaning to child, 4793
& mechanical aptitude, 7926
& memory for sentences, 3149
mute, language, 1434
pre-school child, rehabilitation, 7924
psychological research on, 3158
review, 388
somatopsychic & psychosomatic, 1445
speech training, 7770
in twins, 6460
Death, fear, & insecurity, 718
instinct, 73
acceptance of, history, 5143
Decibel, scale, implication, 394
Decision, interpersonal, theory, 7195(a)
making, conflict, role in, 5809
in game situation, 2400(a)
& prediction, 685, 686
selection for, 8064
problem, approaches to, 3455(a)
statistical, design, textbook, 5210
procedures, 3590
Defeat, & non-adaptive behavior, mice, 2444
Defecation, -conditioned, & emotion, rat, 5523
emotional, measuring method, rat, 3546
Defense, by guilt denial, 8839
perceptual, concept, 3733
premonition as, case, 1251
& threat, theory of, 886
Degrees of freedom, explanation, 139
Delinquency & delinquents, case, 7783
characteristics, & causes, 1288
defective, glutamic acid, 1188
female Wechsler-Bellevue patterns, 2963
& neurosis, relations, 8870
in physically handicapped, 3159
research, team approach, 7786
supervised freedom, 1295
young male offender, 1281
youth attitudes, Israel, 2961
(See also Juvenile delinquency)
Delirium tremens, & alcoholic hallucinosis, 6225
Pavlovianism theory, 8848
Delusion, communicative purpose, 6227
insight certainty, 2252
mind-reading, schizophrenia, 2823
in psychosis, 4657
knowledge in, 6371
-psychotherapy of, 2987
psychotic, diagnosis, 2983
religious, psychosis, 4062
Dementia paralytica, deterioration in, 3129
Democracy, vs. authority, group problem solving, 5830
in classroom, 8962(a)
in college, 1517
classroom, 4384
meaning of, to different groups, 2525
nature of, psychology, 676
Demography, of mental disorders, 3839
Denial, mechanism, & perception, 6250
Dentistry, caries, & personality, 3089
hypnosis in, 2762
psychological factors, 4720
psychosomatics, 1401, 3103
school, grades, prediction, 6712
success, prediction, 9046
Dependency, & EEG, 1730(t)
scale, & self concept, 4352(a)
ulcer patients, 7873(a)
Depersonalization, neurotic, case, 7729
& self concept, 6008
Depression, ACTH, & cortisone therapy, 6901
& aggression, 6246
cyclothymic, alcohol use in, 6362
dinitrile succinate in, 4569
& elation, disorder of, 7752
group therapy interaction, 4670
hypochondriac, case, 1383
& hypomania, case, 8831
hysterical, hypnotherapy, 3047
isonicotinyl hydrazide in, 4590
in multiple sclerosis, 4767
nicotinic acid in, 1253
non-psychotic, 8885
personality changes, 4578(a)
post-partum, 3065
premenstrual, case, 7754
psychoanalysis, case, 1320
subconvulsive electrostimulation, 1225
succinic dinitrile in, 1374
vegetative, 4785
Depth perception, & adaptation, 8447(b)
aniseikonia &, 2117
in anisopia & anisodominance, 5450
binocular, anomalous, & brightness, 3799
disturbance, anisocoria, 8446(b)
& familiar size, 349, 3778
& illumination, 5438
illusion in, 8437(b)
in indirect vision, 2128
interposition cues, 328
kinetic depth effect, 2124
monocular & binocular, 330
projected photographs, 2118
stereoscopic, & double images, 5454
training, Wallach rings, 7018
Verhoeff stereopter, reliability, 2104
visual, rat, 5435
Dermatitis, excoriation, & psychotherapy, 3099
hypnosis in 2762
industrial, psychosomatics, 1397
neuro-, hypnotherapy, case, 6401
personality factors, 1709(t)
Dermographia, conditioning, 8541
Destructiveness, residential treatment, case, 6239
Deterioration, definition & measurement, 6124
Determinism, & causality, salerian, 82
& personality, 59
psychic, & personality, 563
& responsibility, 5164
Detroit, resident's attitudes, 812
social profile, 8674, 8675
Detroit Clerical Aptitudes Test, predictive value, 4997(a)
Development, ontogenesis, & conditioned reflex, 8573
Developmental Index, 1832
Developmental psychology, & human experience, 7251
Devotion, field structure of, 5584(b)
Dewey, J., biography & evaluation, 193
educational psychology, 8959(a)
& K. Lewin, psychologies, 8960(a)
obituary, 169
Dexterity, manual, tapping test, 7101
structural, test, validity, 1618
Diabetes, insipidus, psychogenic, case, 6414
mellitus, personality &, 4710
Rorschach responses, 3091
Diagnosis, children's dreams in, 4305
clinicians ego-involvement, 2597
dynamic vs. symptomatic, 3600
eidetic images in, 4023
group screening, 915
hypnosis & unconscious, 7497
imagery in, 4313
methods, review (1953), 6639
patient personality resources, 914
personality, assets in, 7496
projective method, 7502
problems of, 6003
process, analysis of, 909
psychiatric, & classification, 2817
concepts, 919
drugs in, 6005
textbook, 908
theory, 904
in psychopathology, 2838
Rorschach deviations in, 2620
success-failure situation, 4314
symptom correlates for, 2806
telephone conversations in, 6704
training, supervision, 1953
Diagnostic Reading Tests, in independent schools, 1579
Dial, pointer, reading accuracy, 1658
Dialectical materialism, & psychoanalysis, 5169(b)
Diarrhea, & phobia, case, 6239
Dictionaries, behavior deviations, 156
color terms, 5451
medical, 152
motivation, psychology, 8323
psychiatry, 1906, 6831
& psychology, 3616
psychology, 8322
Dutch, 5243
Hebrew, 153
time study, 8607
Diet, Arctic survival, & behavior, 6891
Difference, proportion, excess of chance, 143
tests, correlated variates, 132
Di-isopropyl fluorophosphate, & circling behavior, 263
Dinitrile succinate, in depression, 4569
Diplopia, Lancaster test, 2069
Directories, biographical, 8922
physical rehabilitation centers, 3155
psychiatric services, 6826
psychological materials, 5304
psychologists, 5246
psychology, 6829
rehabilitation centers, 6832
vocational guidance agencies, 2800
Disaster, flood, child reactions, 5724
mental health implications, 4159
panic in war, 700
Discipline, in child training, 653
school, & counseling, 9024
Discomfort-relief quotient, definition of, 1048
evaluation of, 1049
Discontent, & prejudice, 7392
Discovery, routine of, 27
Discrimination, ambivalent object, learning, 3997
apparatus, mouse, 3549
primate, 3543
autonomic, statistical theory, 8402
brightness, approach vs. avoidance, 5429
colored foods, primates, 5612
cues, & secondary reinforcement, 4000
dot pattern, 5431
orientation, 2071
form & reinforcement, rat, 4036(a)
learning, (See Learning, discrimination)
operant, parameters, 1716(t)
pattern, cue additivity, 5409
process, learning, 5628
reversal, & latent learning, 1749(t)
serial visual, apparatus, 89
simultaneous vs. successive, 5595
temporal, threshold, 3717
time, visual, 2121
univariant, sampling variance, 133
visual, apparatus, 3534
dot patterns, 3772
factors, monkey, 3828, 3829
interocular transfer, 3982
transfer, ring dove, 3819
Discussion, group, & emergent leadership, 8641(a)
participation measurement, 7331
problem-solving, 7333
process, measuring, 7341
results, measuring, 7329
small group, class, evaluation, 6523
Disease, concept of, history, 2840
& homeostasis, 1137
& intelligence deterioration, 6405
& learning theory, 2814
& psychic tensions, 8926
& stress, 4730
Diseases, acne vulgaris, 7875(b)
Addison's, 7861, 7887, 8918
Adie's syndrome, 4759
Alzheimer's, 3014
arthritis, 3088
asthma, 3104, 4450, 4718, 6412, 7872(a), 7877
blood dyscrasias, 7856
brucellosis, 3083
burns, 1389
cancer, 8924(a)

colitis, 1383, 6400, 6408
ulcerative, 1391, 7862
diabetes, 3091, 6414
mellitus, 4710
dysmenorrhea, 1692(t)
eczema, 3102, 6410
glaucoma, 7859, 7862
heart, 3106, 7860, 7866
hypertension, 3105
infectious mononucleosis, 6409
leprosy, 8922
lupus erythematosus, 4706(a)
Ménière's, 1387
neurodermatitis, 1709(t)
neurosyphilis, 1784(t)
peritonitis, paroxysmal, 7852
pertussis, 1380
Pick's, 3123(a)
porphyria, 1224
retrolental fibroplasia, 6445
rheumatic fever, 4710, 7857
rheumatoid spondylitis, 4780
skin, 1397, 3099, 8921(a)
syphilis, 8929
tuberculosis, 4721, 4726, 6393, 8923(a)
urticaria, 1403, 4714
Disillusion, psychology of, 2192
Disinhibition, & frontal lobe injury, 8937
Disobedience, causes, & treatment, 4080
Disorientation, for age, Korsakov's psychoses, 6378
Dispatches, electrical, job & selection, 9079
Displaced person, psychosis in, 4659
tuberculous, group psychotherapy, 4704
Displacement, psychoanalytic, theory, 2268
Display, auditory, information of, 3419
-controls, speed & load, 6686
Disposition, as psychosomatic concept, 3101
test, college student, India, 8020
Distraction, & set, group performance, 2196
performance under, 7092(a)
Distribution, continuous functions, tests of fit, 110
log-normal, critical values, 3597
multivariate, straight line representation, 1883
negative binomial, 1856
normal, circular, 130
confidence & tolerance intervals, 3602
truncated, tables, 6782
Poisson, truncated, 6805, 6806
positive binomial, fitting, 3559
in quadrant sampling, 144
truncated, & censored, parameter, 6781
grouping, 128
parameter estimation, 3562
Disulfiram, -alcohol reaction, 7751
Divining, rod, users, personal characteristics, 3893
Divorce, & alcoholism, 8670
& child development, 2314
& marriage age, 4234
& psychosis, 6361
Dr. Jekyll and Mr. Hyde, individual psychology (Adler) of, 596
Dog, behavior, genetic vs. social factors, 436
& cat escape drive, 2184
gastric secretion, psychic stimulation, 3687
nursing behavior, 3883
problem solving, & early experience, 8555
retina, development, 3906
signal response, 7099
Doll play, aggression in, & age, 5709
fantasies, Negro vs. white, 3323
Dominance, & food accumulation, 3897
in geese flocks, 2155
& perception, mental disorders, 1698(t)
Dormison, hypnotic drug, in therapy, 2746
Dot, organization test, 2111
pattern, discrimination, 3772
Drama, & audience, 4067
response, & education, 4274(a), 7244(a)
& occupation, 4281(a)
Greek, Oedipus complex, 2292
taste, child, 4078
Dramamine, & vision, & hearing, 3771
Dramatic Production Test, 5101(t)
Draw-a-Man Test, performance after pleasantness, 2667
& social status, 7208
validity, Greece, 2663
Draw-A-Person Test, & body type, 4412
height relationship, 2645
obese women scores, 4713, 4716
in psychotherapy, case, 7603
sex sequence in, 950
Drawing, by blind, 5129
child, & body image, 5723
effects of directions, 7307(a)
ego, & self in, 621
golden section in, 7267
color, symbols, schizophrenia, 6363
use, feebleminded, 7685
of deaf child, 7927
figure, sex differences, 2654
of homosexual, male, 2685
human figure, artistic vs. adjustment, 7563
child, 2335
& emotional adjustment, 8733(a)
in groups, 2629
in schizophrenia, 3042
as imagination test, 6025
of low-grade feebleminded, 1200
personality expression in, 5119(t)
as psychological test, 976
of schizophrenia, 3032
test, clinical use, 4381
color, & brain pathology, 7910
complex, 4371
understanding of, 3906
Dream, & abreaction, 2739
analysis, & archetypes, 31
manifest content, 2241
child, in diagnosis, 4305
interpretation, 7260
cognitive theory of, 7196
content, & TAT, 6006
& ego-functions, 2256
forgetting of, psychoanalysis, 5643
of Freud's, reanalysis, 5272
function, psychoanalysis, 7193
in group vs. individual psychotherapy, 4441
hypnotic vs. spontaneous, 4013
imagery, 10-year old, case, 8595
interpretation, Freud vs. Jung, 4369
latent content, 540
manifest hostility, scale for, 7547
neo-psychoanalytic theory, 2255
paranormal elements, 2240
& personality integration, 5671
phonetic-associative element, 8548
prophetic, 7199
psychoanalysis, post-Freudian, 2247
screen, psychoanalysis, 2249, 2251
in self-hypnosis, 7202
semantic analysis, 8761(a)
sex differences in, 2246
speech elements in, 8551
studies of, review, 5648
sublimation in, 7201
suggestion to, 7115
in psychoanalysis, 1004
symbol, cognitive theory, 536
textbook, review, 5652
theories, India, 7203
thinking in, 5649
Drinking, habits, & parental attitudes, 7730
response decrement, & stimuli, 481
water, apparatus, 6756
Drive, acquired, concept of, 5573
& activity displacement, 7091
biological, & motivation, 4046
conditioned, & hunger, 3932
conditioning, in latent learning, 501
escape, cat & dog, domestic, 2184
exploratory, maze learning, 505
inhibition, & culture, 771
instinctual, & intersensory perception, 6004
irrelevant, effects of, 468
level, & maze performance, 489
reduction, & learning, 5607
residual, & latent learning, 499
theories, Freud vs. Brun, 5514
Driver, auto, accident prone, 3432
aptitude test, 8153
& highway engineering, 8237
improving, interview, 5035
legal knowledge test, 9107
non-language test, 8159
safe, selection, 8262
safety criteria, 8261
& traffic safety, 5064
truck, accidents, 5067
visibility, & traffic safety, 9116(b)
vision of, 8259(b)
motor vehicle, self-description blank, 8155
taxicab, 9112(a)
aptitude, & turn over, 1617
truck, accidents, & personal history, 6695
fatigue, & drugs, 8232
Driving, auto, composite inventory, 6687(a)
distance judgment test, 6690
night, glare, 8251
Drug, addict, adolescents, 8835
psychology of, 7795
addiction, adolescence, 6253, 6256
barbiturates, 6232
dynamics, 6229
electroshock therapy, 6270
group psychotherapy, 4509
probation in, 6266
problems, 6255
psychoanalysis, 6231
psychology of, 7795
textbook, 6224, 7745
anti-convulsant, in behavior disorders, 1239
effects, & hypothermia, 281
psychological, 6890
intoxicants, & higher nervous activity, 8384
& neuromuscular transmission, 6883
in psychiatric diagnosis, 6005
in psychotherapy, 1021, 6098
& truck driver fatigue, 8232
& work output, 2178
Drugs, acetylcholine, 259, 1236, 1314, 6379
ACTH, 4652, 5336, 5337, 5342, 5767, 6879(a), 7096, 8876, 8883, 8901
airsickness, 3881
amytal, 7809
antabuse, (See in main alphabet)
ascorbic acid, 3063
barbiturates, 2942, 4573, 5328, 6232
Benadryl, 7634
Brevidil M, 6083
carbon dioxide, 255, 3061
carcholin, 8415
Celastrus paniculata, 1193
celocurin, 8750
cholesterol, 981
chloroquine, 6967
cortisone, 251, 4652, 5336, 5337, 7810, 8841, 8876, 8883, 8901
curare, 5355
DFP, 263
dinitrile succinate, 4569
disulfiram, 7751
Dormison, 2746
dramamine, 3771
ether, 2996
evipan, 1433
glutamic acid, 1202, 6366
histamine, 1963, 2755, 3027
isoniazid, 7805
isonicotinyl hydrazide, 4590
lysergic acid, 1219
diethylmide, 5341
marihuana, 4552
Masilid, 7624
meperidine, 6272(a)
mephenesin, 2890, 4562
mescalin, 7719
methamphetamine, 2769
metrazol, 7828
morphine, 7761
motion sickness, 2177, 3862, 6890
muscle relaxant, in shock therapy, 8759
myanesin, 1240
nicotine, 3868, 4559, 8520
nicotinic acid, 1253
parahydroxypropiophenone, 3026
pentothal, 1331, 4430
Pervitin, 1962
peyote, 829
phenurone, 5373
polamidone, 1245
propyl thiouracil, 256
quinine, 2133
sodium amytal, 1329, 2103, 3145
sodium iodide, 7841
sodium sucaryl, 316
strychnine, 5355
succinic dinitrile, 1374
succinylcholine, 6133
sulphones, 8922
suxethonium bromide, 6095
synephrine, 1332
tea, 3695
tetraethylammonium, 3900, 3937
themisone, 5373
thiamylal, 2728
thyroid, 6279
Duck, color vision, 6957
Durkheim, E., philosophy of sociology, 7334
Dymond Test of Insight and Empathy, validity, 2650
Dyslexia, congenital, case, 7961(b)
& EEG, 5455
& mirror vision, 7991
Dysmenorrhea, psychological aspects, 1692(t)
word-association test in, 3069
Dysphagia, psychoanalysis, case, 3054
Dysphasia, spelling ability, 7758(a)
Dyspnea, hypnoanalysis of, 7755

Ear, diseases, genetics, 8367
hair cells, shearing microphonics, 2131
& hearing, psychoanalysis, 5478
impaired, noise intensity, 3832
neural responses to click, 1740(t)
Organ of Corti, changes with sound, 3834
mechanical properties, 2130
review, 3843

physiology, review, 393
Earthworm, maze learning, 3984
Eastern Psychological Association, proceedings (1953), 5257
Eating, behavior, development of, 5743
factory workers, 3320
habits, & performance, 6884
Echolocation, bats, of insect prey, 8473
of porpoise, 385
Eckermann, J. P., & Goethe, moral masochism, 5601
Econometrics, nature of, 5234
textbook, 3589
Economics, attitudes, veterans, 5931
& cultures, 2481
individual preferences, ordering, 3463
& psychology, 4227
rational risk behavior, 8664
Eczema, infantile, psychiatric aspects, 6410
psychological factors, 3102
Education, action research in, 3171
administration, leadership, 7947
adolescence &, 5715
adult, group, behavior, 4899
psychotherapy, 2712, 2720, 2733, 2734, 2757
work, 2601, 3259
attitudes toward, 4806, 4889
authoritarianism in, 1456
character, factors in, 8012
child, & modern society, 2325
children's opinions on, 8608
citizenship training, 6464
climate, in development, 7943
& clinical psychology, 208, 1449
coercion & freedom in, 3179
& concept formation, 3181
conference, papers, 3182
curriculum & personality adjustment, 1453
ego involvement in, 2667
elementary, measurement in, 3291
objectives, 3176
program evaluation, 1452
emotional adjustment &, 4850
& environmental influences, 7950
follow-up studies, critique, 4934
general, evaluation, 4844
objectives, evaluation, 4935
group, bibliography, 6469
high school student attitudes, 8021
higher, & mental health, 4289
& scientific manpower, 5090
intergroup, & attitudes, 4798
textbook, 8992
& international relations, 772
Jewish, attitudes towards, 7939
evaluation, 7944
Jungian psychology, 6468
leadership in, 1587
level, & MMPI, 4327
medical, psychology in, 209
& mental hygiene, 1451, 4299, 5978
old age, review, 4110
& orthopsychiatry, 3177
parent & pupil attitudes, 8031
& personality development, 3178
prejudice against, 3175
program evaluation, questionnaire, 8072
& psychotherapy, 2703
public, attitudes toward, 6471(a)
race relations research in, 736
research, nature of, 6461
opinion survey techniques in, 4807
textbook, 6463
retardation, Great Britain, 6522
role playing in, 4869
science in, 1457
selection, methods, Great Britain, 6592
in welfare state, 4800
& social class, 5909, 5910, 5913, 5916
sociology, textbook, 4804
students, intelligence of, 6597
supervision, textbook, 3302
teachers of, selection, 9055(a)
theory, Pavlovian, 4801
& pedagogy, 1458
& word recognition, 1474
Education (special), behavior problems, 7647
blind, acceptance, 8035
nursery school, 1526
residential, school, 6550
vs. public, 3249
brain-injured child, 4761
in Canada, 8041
cerebral palsy, 1529, 3256, 4908, 7894, 8043, 8054
social work in, 1532
clinical services, 678
community program, 3254
crippled child, 3262, 8044
deaf, 8042
bibliography, 3264
-blind, 8040
institution graduates, 8950(a)
problems, 8045
Puerto Rican child, 3253
emotional problems, 6553, 6556, 6557, 6558, 6561, 6562
guidance classes, 6551
worker qualifications, 6548
feebleminded, 7697
gifted, curriculum, 1531
regular classroom, 4907
review, 1525, 8050
work group program, 9011(a)
hard-of-hearing, 3261
hearing, defects, 3250
program, 6559
& speech defects, 8039
homebound, by telephone, 6560
in kindergarten, 3265
language, importance of, 868
mental defective, 2868
observation classes, 4904
partially seeing, 1521, 3170, 4898
physically handicapped, 6549
common grades, 3260
nursery school, 8038
play therapy in, 1016
problems, & psychiatry, 3257
for Puerto Ricans, in New York, 7982
pupil adjustment, 8047
remedial, bio-psycho-socio approach, 1522
review, 8036
rural schools, provisions, 8055
slow learner, 4900
textbook, 6554
vocabulary, 4813
socially maladjusted, 8053
speech, defectives, 4909
& hearing problems, 8859
subnormal, 6552(b)
California program, 1527
community programs, 8811
day classes, 8049
finger painting in, 9017
follow-up, 2855
high school, 9015
institutions, 7696
Montessori, theory, 1918
personal recollections, 3266
pre-school, 8828
professional team, 3255
program, 1181
public relations, 3263
reading, 9016
review, 8046
screening test, 1528
speech correction, 6283
summer program, 8052
& superior, 8037
teachers, 4902
task, 4906
training of, 6218
visual aids in, 1524
superior, 4901
in regular class, 3252, 8051
science for, 9019
subject attitudes, 3251
textbook, 3246, 3258, 6555
in tuberculosis hospital, 3248
visual defects, 1523
visually handicapped, 8048
Educational guidance, college program, 1541
child problems, 6580
eighth grade program, 8064
in elementary school, 1537
& hearing defects, 4903(a)
& high school admission, 3267
junior college, effectiveness, 1547
pre-college, clinic, 1540
projective techniques in, 9021(a)
by teacher, 3279
role, 3278
textbook, 3275
trends in, 3284, 3285
values of, 8058
Educational measurement, articulated testing program, 4931
in city school systems, 4953
classroom, textbook, 8090
tests, textbook, 8087
critical incident technique, 3288
critique, 3604
elementary school, textbook, 3291
evaluation of objectives, 4935
examination service, college, 8075
grading, objective, 4949
high school, textbook, 8078
in-service training in, 8082
intelligence tests, culture fair, 9036
introductory course in, 8066
letter grade reliability, 4927
maximizing test validity, 4937
national test programs, in local schools, 8068
projective techniques in, 3298
schools, private, 8091
self-scoring methods, & teaching, 9042(a)
standardized tests, trends, 6591
teacher grades, 4945
teaching-testing methods, & retention, 4948
test, responses, reasons for, 3292
score, & grades, combining, 4939
trends in, 3284, 3285
W-scores, 3295
Educational psychology, of Claparede, E., 5290
definition of, 6476
Dewey vs. Lewin, 8959(a), 8960(a)
in Great Britain, 6477
hypnosis in, 2165
philosophical orientation, 7937
review (1953), 6474
statistical analysis in, 6462
student competence in, 8349
teaching, communication theory in, 6867
textbook, 7938, 7941, 8964, 8965, 8966
value concept in, 7948
Educational sociology, & teaching competence, 1591
Educational Testing Service, report, (1952-53), 5258
Educator, characteristics, 3303
Edwards, J., collected writings, 3631
Eel, migration, light influence, 7093
Effort, differential, & Einstellung, 7094
& effect, analysis, 5224
& inhibition theory, 5599
rest, & response rate, 5490
Ego, affect, old age, 8612(a)
in anxiety, 6263
& autokinetic movement, 350
boundary, childhood & schizophrenia, 2823
& morality, 7358
in child & adult, 1700(t)
& cognition, 3916
concept, & James, W., 174
development, & comic, 859
disturbances of, 7310
& group play, 8596
& id, 2277
infant, 629
& self-traumatization, 4034
& special education, 6553
discriminating function, 8561
disturbance, & child psychosis, 7741
infantile psychosis, 7743
in schizophrenia, 4642
electroshock effort, 2700
functions, & color response, 7521, 7532
& dream, 2256
homeostatic, function, 7220
regulation, 7227
interest in child, & fertility, 2529
involvement, in education, 2667
& forgetting, 7186
manifestations, child, 3464(t)
& objects, 55
in obsession neurosis, 4688
pattern, & infantile disease, 4038
psychoanalytic concept, 2278
psychology, & agoraphobia, 6389
review, 8285
reactions, & cortisone steroids, 251
regression, & reality flight, 7709
restriction, child, case, 7706
strength, & incomplete task recall, 7217
& recall of tasks, 7222
& Rorschach, 3907(a)
scale, MMPI, 6072
Egocentrism, & devotional reading, 7725
Egypt, dream interpretation, 737.
peasants, family living, 7418
Eidetic image, in psychodiagnosis, 4023
Eight Card Redrawing Test, objective scoring, 4338
Eisenhower, Dwight, political appeal of, 8669
Einstellung, phenomenon, & task effortlessness, 7094
rigidity, personality trait, 7229
Einstellung Test, & rigidity, validity, 5675
Elation, & depression, disorder of, 7752
Electric shock, & adrenal cortex, 5349
& fear, rat, 5513
Electrical phenomena, cyclic, & emotion, 1969
skin, measurements, 239
Electricity, sensation, vs. vibration, skin, 3740
Electrocardiography, in psychosis, 3004
Electrode, Laplacian, 383(a)
ultramicro-, amplifier, 298(a)
Electrodermography, in schizophrenia, 2990
Electroencephalography, in ACTH & cortisone therapy, 6923
& acoustic stimulation, 5361
extinction, 8389
age, & mental disorders, 7673

in aged, 7321
alpha rhythm, conditioning, 5371
& visual attention, 2013
in alternating personality, case, 6251
in amblyopia, 2107, 3807
antabuse, effect on, 6900
& anxiety proneness, 1255
selection, 3366
& asphyxia neonatorum, 5356
& asthma, children, 5359
& behavior, 5372
disorders, genetic factors, 7734
problem boys, 2902
& birth intracranial injuries, 6436
& brain, lesion, 3138
vasodilation, 5369
children, & Bender-Gestalt rotation, 4361
cortical, & subcortical responses, 1989(a)
criminal personality structure, 2074
& electroshock therapy, 6742, 8882
in epilepsy, 3122
& episodic aggression, 6905(a)
& evipan, in brain damage, 1433
& eye movements in sleep, 3847
frequency analysis of brain waves, 6921
& galvanic skin response, 3884
& head injury, 7898
& hearing threshold, 7065
in hemiplegia, 7900
& hypoglycemic coma, 6925
& imagery, 542
& intracranial pressure, 2010
judgments, reliability of, 8371
light, & dark adaptation, 8411
in mental, disorders, review, 1151
function, 3003
& meperidine addiction, 6262(a)
mescalin intoxication, 7719
in minor mental disorders, 6793
& ocular function, 5455
& passive-dependence, 1720(t), 7733(a)
in peptic ulcer, 7871
& peripheral nerve stimulation, 6910
photic stimulation, technique, 2001
& pre-menstrual tension, 3064
-psychiatric screening, 4400
in psychiatry, 1143
psychoneurosis vs. brain lesion, 1375
in psychosis, 3008
old age, 3007
& pupil reaction, recording, 8359
& reading disabilities, 4593(a)
recording in conscious animal, 6753
review, 275, 5354, 6911
senile dementia, 3031
sex differences, 8391
single cortical unit, 6893
& skin resistance, apparatus, 1833
sleep, cat, 268
in schizophrenia, 5115(t)
stuttering, & frustration, 7771(a)
survey, of epilepsy, 7893
theta rhythm, & obsession, 1230
tone indicating signal, method, 6897
& voluntary motion, 424
& X-irradiation, whole body, 1979
Electromyography, in emotion, 3693
Electronarcosis, apparatus for, 2732
& drugs, in therapy, 7579
& Pavlovian theory, 6117
physiology of, 6110
in schizophrenia, 5880
Electronics, fundamentals, retention, 1501
Electroretinogram, in dark adaptation, 3764
in infants, 6984
stimulus size, & illuminance, 3795
Electroretinography, color shift, 8412
complexity of response, 5448
& flicker fusion, 8414, 8436
light adaptation &, 2048
stray light &, 2059
Electroshock, & anaphylaxis, 1977
convulsions, age & sex, 8380
& emotional conditioning, 5896
& anesthetic, 341
& closed field test, rat, 517
& cortical blindness, 386
food intake & hunger, rat, 430
subconvulsive, for anxiety, 1225
vs. brain lesion, & behavior, rat, 8302(a)
& wildness, rat, 5553
Electrostimulation, non-convulsive, physiodynamic responses, 8773
Elimination, as fear measure, rat, 443
Elite, theory, Mannheim, 4130(a)
Embezzlement, psychology of, 6203
Eminence, & social origin, 2398
Emotion, & acne vulgaris, 7875(b)
adjustment, & education, 4650
& human figure drawing, 8733(a)
& blood oxygen, 6886
& brain, 2201
color associations to, 7134
conditioned, & electroconvulsive shock, 5596
& conditioning, animals, 5617
children, 2191
& defecation, rat, 5523
deprivation, & child development, 649
& electrocyclic phenomena, 1969
electromyography in, 3693
expression, by hands, 5103(t)
facial expression, judgments, 7117
& feedback concept, 1799
G S R &, 232
immaturity, role of, 1217
in Indian psychology, 7109
infant development, 647
James-Lange theory, 3905
& leucocyte count, 3690
maturity, & discussion, schools, 8057
in mental disorders, 7829
& muscle tension, 4596
& music, 933
operational definitions, 3908
oximetric analysis, 3878(a)
physiological mechanism, 8357
response, & audiogenic seizures, 5402
& septal region lesions, 5353
in stress, 1731(t)
& eosinopenia, 8914
& hypertension, 3100
& study habits, 3227
subcortical centers, 6917
tension, in psychoneurosis, 4702
& reaction time & speed, 411
theory, activation & expression, 8509
& thought content, 7114
Emotional Projective Test, projective processes, 8738(a)
Emotionality, & perceptual defense, 3719
& test score changes, 2618
Empathy, & abstraction, in art, 5702
& accident rates, 5077
adult, with child, 7294
in alcoholism therapy, 6268
in cultural research, 4167
generalized, measuring scale, 5571
group understanding, 670
in interview, 1739(t)
in labor-management relations, 1641
& leaderships, 7326
in management-labor relations, 3382
in projection, reality, adjustment, 8700
& reversible perspective, 5677
student nurse, psychiatric, 5091
& transference, 4457
& understanding, 7118
Empathy Test, validity, 4403
Employee, attitudes, & absences, 8249
changing, 8199
& group production, 5050
mail survey, 5052
measurement, 3371, 8200
& merit rating, 3386
proprietor-mindedness, 5032
training, 9092
check-list, scaling, 1605
council, program of, 3374
-employer relations, suggestion system, 5023
evaluation, effects of, 5043
interests in job, 8206
morale, & attitudes, 5048
building, 8197
institutional, 7692
opinion survey, method, 5031
performance rating, 5045
publication, effectiveness, 3370
rating, of supervisors, 8214
& supervisory level
relations, & supervision, 8201, 8203
turnover, institutional, 7698
Employment, interview, improving, 3368
office, effectiveness, factors, 1600
race relations in, 751
services, in U. S., 6644
tests, clerical, 1844
Encephalitis, larvate, & psychoneurosis, 1378
post-, phobias, case, 7890
Endocrine gland, & self regulatory behavior, 3696
Endocrinology, in psychiatry, review, 1416
Engineer, aide, selection tests, 1783(t)
selection, tests for, 9076(b)
& technical mentality, 8271
Engineering, achievement, personality, 3282(a)
analogies test, 1847
entrance examination, prediction, 1675
human, definition, 8700
student, achievement & personality, 8070(a)
counseling, 1566
technical vocations, 3440
vocational counselors in, 7656
Engineering psychology, control information type, 8247(a)
definition of, 8700
display-control relationships, 6686
human factors &, 1650, 8245
light adaptation & scope target detection, 8231
moving target projector, 9103
nature of, 8235, 8246, 9110
Navy, research, 3422
radar-scope design, 5058
simulated scope displays, 8230
textbook, 8260
vision in, 6677, 6693
England, child, vocabulary & MA, 7516
English (language), Cooperative Test, 4863
semantic word list, 7469
teaching, discussion method, 6500
methods, 4823(a)
college, 7984
self evaluation, 1463
Engram, concept, in learning, 3068
Enuresis, psychotherapy, case, 2883
Rorschach responses, 2926
treatment of, 7753
vs. nightmare, 1259
Environment, as behavior determinant, 8288
influence, & education, 7950
& intelligence differences, 8562
social, & visual perception, 339
Eosinopenia, & emotional stress, 8914
in feeblemindedness, 2862
Eosinophile, response, in schizophrenia, 8900
Epilepsy, acoustic reflex, 3113, 3123
acquired, & brain lesion, 6440
attack rhythms, 8945
attacks, diurnal timing, 8944
automatisms, 6433
& cerebral anoxia, 4740
& clinical psychological methods, 4287
consciousness & personality, 1410
continuous symptoms, 3144
diurnal seizure patterns, 4752
EEG in, 3122, 7893
figure-ground inversion, 1411
fugue, behavior in, 7906
heredity, siblings, 4774
hystero-, cases, 8908
illnesses included, 1418
intelligence in, 4773
left handedness, & stuttering, 4735
leucotomy, case, 4756
& lobotomy, 6428
memory in, 6424
muscle electrical thresholds, 8938
nature of, 4745
& nocturnal myoclonus, 4772
& peripheral motor activity, 4736(a)
perseveration in, 4770
tests, 3140(a)
personality of, 4743, 4766
& behavior disorders, 6425
Rorschach, 4733(a)
petit mal, case, 4771
photogenic, light color, 3134
pregnancy fantasies, case, 7891(a)
psychoanalysis, 7903
case, 6437
psychogenic background, 8940
& psycholeptic seizures, personality, 7844
psychology of, 4746, 4753, 4754
test results, 4763
psychomotor, & lobectomy, 1405
psychotherapy, intensive, 4749
review, 1430, 6427
Rorschach, children, 4764
running fits, 1424
social psychiatric care, 8941
sociopsychological treatment, 4755
Szondi test, 4744
twilight attacks, 4758
traumatic, symptoms, 3143
& vigilance disturbance, 3131
Epistemology, & child thinking, 5748
objective vs. subjective, 6741
textbook, 5168
Equation, solution, punched cards, 6798
Equipment, maintenance, requirements research, 3414
Eroticism, anal, psychoanalytic theory, 3501
Erotomania, Rorschach findings, 2894
Error-choice technique, validation, 3591
Eskimo, witch-fear, & catatonia, 4188
Essential High School Content Battery, for college prediction, 6588
Estimation, rectangle length, 7012
Ether, intravenous, in psychoses, 2996
Ethics, adolescents' judgments, 8589
Aristotelian proof, & social psychology, 7351(a)
& counseling, 1020
Epicurus, Luther, Freud, 4156

professional, confidences, 8341
importance of, 6859
journal, 6827
principles, 6877
in social research, 5850
in test procedures, 2688
textbook, 4, 5170
(See also Code of ethics)
Ethnic group, as collectivity, 2507
theory, concepts, 8657
Ethnocentrism, attitudes, teachers, 4964
& social perception, 1702(t)
& teaching success, 3307
Ethnology, Truk, 8668
Euphoria, & cortisone, & ACTH, 4465
Europe, psychology in, 217, 1923
European scholars, in America, 12
Euthanasia, 2841
Eutychia, & trauma, in neurosis, 6390
Evaluation, vs. valuing, in aesthetics, 2305
Evil, behavior, & childhood attitudes, 7659
Evil eye, psychoanalysis, 767
Evipan, & EEG, brain damage, 1433
Examination, college, as instruction, 8073
continuity-type question, 6584
emotional stress, & eosinopenia, 8914
essay, marking of, 4946(a)
vs. objective, medical students, 1555
objective, critique, 8084
technique, 4932
oral, values, 1568
school, France, critique, 4933
project type, 8088
taking, student manual, 4944
validation, punched card method, 3568
Excitation, & inhibition, neural, 262
Execution, self reflections on, case, 2889
Executive, business, characteristics, 9120(a)
characteristics, 3319
communications of, 5940
development, program, 9075
training in, 4988
group training, 3394
personality, significance, 4981
placement, 1620
psycho-educational study, 9091(a)
rating plan, 3362
reading, skill improvement, 8112
speed training, 3204
selection, methods, 8193
& promotion, 8141
& training, 8118
training, human relations, 5051
Exercise, & muscle tremor, 8481
Exhaustion, intellectual capacity, & hormone, 3865
Exhibitionism, incognito, nature of, 2888
nature of, 2906
psychogenesis of, 8830
psychology of, 6262
Existence, human roles in, 6077(b)
Existence analysis, 2754
& anxiety, 2949
of psychosis, 4681
& Socrates daimonion, 6742
Existential analysis, 7582
Existentialism, daseinanalysis, 877
& logotherapy, 2708
& psychoanalysis, 5172, 5174
& psychotherapy, 1008
space, psychopathology, 1129
woman's psychology, 5575
Exophoria, & reading eye movement, 4859
Expectancy, & Hullian theory, 3499
objective measures, 7544
tables, in counseling, 1615
Expectation, & desirability of outcome, 2193
Experience, early, & problem solving, dog, 8555
phenomenal, & glutamic acid, 8366
Experiment, & behavior theory, 74
equivalent comparison, 1855
in humans, ethics & legality, 102
method, & fact finding, 3551
multi-factor sequential, 6772
psychology, & subject attitude, 5313
Experimental design, generalization of principles, 1834(a)
group divisible incomplete block, 1857
incomplete block, rank analysis, 111
marketing research, 5082
in psychology, 103
textbook, 136
randomized blocks, error partition, 3587
rectangular lattice, 1891, 3598
review (1953), 5208
social research, 5844
in taste testing, 2034
textbook, 1836
in traffic research, 1851
Experimental psychology, collection, 5129
early book (1756), 6853
in Europe, 1924
textbook, 5135
Explanation, comprehension, & understanding, 4020
Expression, behavior, & witness interrogation, 7784
Expressiveness, & social class, 4142(a)
Extinction, & anxiety, 527
conditioning-, & operant strength, 7136
experimental, & drive, 6716(t)
GSR, & sensory preconditioning, 7134
methods, comparison, 495
& partial reinforcement, 7189
& random reinforcement, 529
recovery from, factors, 7157(a)
reinforcement, continuous vs. partial, 521
resistance to, factors, 3964
& reinforcement, 5622
& response, blocking, 1750(t)
prevention, 510
as retention measure, 3945
S-R reinforcement theory, 7149
& traumatic avoidance learning, 2233
Extrasensory perception, card symbol prediction, 8507
clock cards, 2025, 5411
& electroshock therapy, 7820
multiple aspect targets, 5389
performance, & call sequence, 5402
& personality dynamics, 5682
psi-missing, problems, 5405
receiver vs. sender attitudes, 5387
report, case, 2035
research, review of, 5408
scientific acceptance, 2044
scores, & brain concussion, 6438
symbol vs. position, 5394
test condition novelty, 6930
Extratension, introversion-, Rorschach measure, 7506
Eye, blink, as hearing test, 5480
& tension, 419
blinks, blackout interval, 3820
characteristic curves, 8427
complex, electrical response, 3797
convergence, anomalies, 8431
depth of focus, 3824
direction sense, 2093
diseases, genetics, 8367
disturbances, psychogenic, 8915(b)
psychosomatic, 8916(b)
dominance, & handedness, 5417
tester, 2052
electrical, excitation, review, 342
response, in dark adaptation, 6951
electrophysiology, 5449
fixation, & cerebellar disease, 6968
in contour reading, 8967(b)
at high speeds, 8257
injury, age & sex, 4094
insect, optical mechanism, 3774
light absorption, 372
movement, & apparent motion, 2082
muscle, balance, & flying, 8256
& intelligence, 7125(a)
motor unit activity, 1960
vertical, defects, 5430
& polarized light, 2065
position, & median plane perception, 7040
rabbit, rhodopsin in, 8423, 8444
refractive changes & age, 8426
rolling reflex, measurement of, 2095
& nerve pathology, 2096
single photoreceptor response, 3796
strength frequency curve, & adaptation, 3744
vertical divergence & hyperphoria, 357
Eye movement, & action potential, from temple, 1706(t)
involuntary, & fixation, 2066
tremor, 6985
neural feedback mechanisms, 293
optokinetic, & visual efficiency, 8439
potential variations, 2101
reaction time, 2074
in reading, 7999(b)
& exophoria, 4859
in sleep, 324(a), 3847
times, & high speed flying, 8240
tracking in batting, 9102
vertical, & visual acuity, 3800
visual acuity &, 2112
Eyeglass, colored, & night driving, 8251

F scale, scores, factors in, 7415(a)
FPA examination, validation, 4985
Fable Test, school use, 4329
Face, discrimination, & personal adjustment, 6024
disfigured, personality, 3146
expression, & emotion, 7117
human, response to, factors, 2702
size-distance judgments, 5465
surgery, & psychology, 6403
Facilitation, associative, & prior learning, 7130
peripheral neuromuscular, 254(a)
proactive, & task difficulty, 7131
& task difficulty, 3922
Facism, predisposition to, F scale, 7415(a)
Factor analysis, ability tests, 9077
aircrew classification test, 5017
Airman Classification Battery, 8140
American culture, 5921, 8652
analytic solution, simple structure, 1860
anger situations, 2194(a)
Bender Gestalt Test, 7525
bibliography, 8317
Binet Test, 8725
body build, 240
British culture, 2396
Cattell F Test, 8720
child personality test, 7212
college achievement & intelligence, 9034
& composite, criterion, 121
factors, 5217, 5236
creative thinking, 5653
evaluative abilities, 9081
families, number of, 6814
graphical method, 8311
human abilities, 5686
image theory, 6795
of intelligence, 8558
intercorrelation charts, 5207
interest variables, 8121
of interests, 4358
large number of items, 1902
loadings, erroneous, adjustment, 5209
logical bases, 123
methods & design, 1894
Minnesota Teacher Attitude Inventory, 9052(a)
motor aptitude, 3360
of music preferences, 8495
nature & methods, 8308
negative correlations, 6806
number ability, 7210
origin & development, 3613
paired comparison ratings, 4992
paranoid schizophrenia, 7815
perceptual tests, 3735
personality, critique, 2262, 2272
measurement, 5670
& psychotherapy, 6119
ratings, 2741
of physical proficiency, 7105
Primary Mental Abilities, revised solution, 1904
problem solving, 2239
of psychiatric symptoms, 2606
psychomotor task, 2161, 2162, 7144
psychoneurotic syndromes, 6383
of qualitative data, 1859, 1873
rating indices, 6819
ratings of supervisors, 5037
of reasoning, 4015
ability, 2248
test, 5640
research goals, 7116
residual matrices, machine calculation, 5218
review (1953), 5212
rights & wrongs scores, 3572
Rorschach intelligence scores, 4404
sales criteria, 1669
sampling criteria, 3606
schizophrenic social behavior, 4639(a)
school, achievement, 1552
grades & tests, 9035
learning, 1496
social behavior, schizophrenia, 6341(a)
spatial, relations, 7209
visualization test, 8139
of speech perception, 7450(a)
speeded vs. unspeeded tests, 3471(t)
student ratings of teachers, 3654
synthesis, methods, 6821
of Szondi Test, 4356
teacher, characteristics, 1589
educational viewpoints, 6608
temperament, 4032
textbook, 8313
thinking ability, 7194
verbal fluency, 5658
Wartegg Drawing Test, 934, 6056
Failure, & maladjustment, 4316(a)
& motor task performance, 426
Fairy tale, Grimm, psychoanalysis, 2303
psychoanalysis, 2477
Faking, interest scores, 1621
on Jurgensen Classification Inventory, 1624
Familiarity, meaning-, relationship, 4017
vs. frequency, verbal stimuli, 8686

Family, adjustment, & character research, 6722(t)
& adolescent adjustment, 5714
agency, & marriage counseling, 2598
psychoanalysis in, 2604
short-term counseling, 995
American, textbook, 8030
authority patterns, & adolescence, 4006
behavior, television, 2553
& boys' peer relationships, 1735(t)
broken, & alcoholism, 1242
& suicide, 4551
-centered, psychotherapy, 2706
child, personality, 505, 570
topological field, 2462
understanding, 7290
China, disintegration, 4198
conflict, sociodrama in, 4456
constellation, & stuttering, 6277
conversations within, 4218
& deaf child, 3165
& democracy, 4216, 4220
dynamics, clinical study, 4323
& communication, 5906
& son with ulcer, 4311
& father's desertion, 5740
& group counseling, 993
interpersonal relation in, 788
life attitudes, test, 8307
limitation, rural Negro, 5899
living, Egyptian peasants, 7418
& marriage, textbook, 2531, 5903
matrilineal, India, 3666
& mental, health, 5726
hygiene of, 7487
non-white, characteristics, 4189
in old age, 7322
attitudes, 5783
organization, British Guiana, 830
patterns, Jewish, 790
& personality growth, 558
position, & child behavior, 2332(a)
as psychological unit, 4225
recreation program, 835
relations, child, concepts, 9600(a)
guidance, 7644
integration, 7436
in old age, 2362
textbook, 2537, 7426
rural, changes, 795
intelligence, 8556
& sex delinquency, 6307
size, & child's social success, 5742(b)
control methods, 4249
factors, study methods, 4175
& intelligence, 546, 2380
social, function, 801
problems, 4253
work, group therapy, 6144
& socialization, 803
solidarity, measurement, 808
stability, & sex behavior, 834
strengthening, social work &, 4222
structure, Brazil, 2534
rigidity, 2518
& urban life, 5922
tensions in, 818
textbook, 702, 5908
readings, 5939
Fantasy, child, Negro vs. white, 2323
content analysis, & motivation, 4375
frustration generalization, 4007(a)
in insulin coma therapy, 2756, 7619
interpretation, learning, 1940
maturity in, 1693(t)
necrophilic, case, 2938
obsessive tunes, & stress, 2887
picture ambiguity, & personality, 4367
pleasure, & reality, 457
pre-natal, & birth, 538
& psychological growth, 1779(t)
Farmer, characteristics, Russia, 778
informants, characteristics, 7434
Farnum Music Notation Test, 5201, 5892
Fascination, & pilot error, 3393
Father, desertion, effect on child, 5740
& family mental health, 4214
& first child, 4076(a)
occupation, & child's emotion, 7297
& war born children, 5756
Fatigue, affective aspects, 5338
aircrew, factors, 8349
auditory, locus of, 7054, 7085
from pure tone, 8454(a)
testing, 2148
aviators, 3415
& flicker fusion, 3762
hearing, & sensation level, 8455
& speech intelligibility, 8403(a)
industrial, & productivity, 5061
reducing, 1645, 9106
industry, hygiene of, 1652
& kinesthesis tests, 8400(a)
measurement, & motivation, 5548
psychology of, 5566
& monotonous work, 8474
& motion economy, 5079
motor response & rest, 3855
nature of, 5495
neural basis, 6889
as neuropsychiatric problem, 1233
& neuroticism, 3046
in perceptual-motor tasks, 5547
& psychiatry, 435
psychological, criteria, 5487
& work, 3460(t)
reading, & critical fusion frequency, 3424
recovery, & active rest, 6885
satiation, & frustration, 5504
textbook, collection, 5511
& tremor, 5506
tropical, 5508
truck driver, & drugs, 8232
visual, 5416, 5472
factors, 7041
& lighting, 5081
measurement, 3801
work decrements, & situation, 5493
& X-irradiation, rat, 8477
Fear, agoraphobic vertigo, 1365
behavior, food poison, rat, 2935
childhood, early, 7128
children's, & nightmares, 7717
chronic, psychological changes in, 1999
conditioned, & anxiety, 1234
conditioning, & tetraethyl ammonium, 3937
correlates, young boys, 1719(t)
& electroconvulsive shock, rat, 5513
elimination as measure, rat, 443
in handwriting, 1220
& heart disease, adolescents, 7866
of heights, 1379
learning, by reinforcement, 7145
motivation, generalization, 7120
& visual discrimination, 9524(a)
psychoanalysis, 2198
reduction, & tetraethyl ammonium, 3900
& repression, 4444
of street, 4697
strength, & number of trials, 8529
Fee, clinic, values, 2736
& psychotherapy, 7623
Feebleмindedness, academic achievement, 4530
accidents as cause, 2871
achondroplasia, 4546
adolescents, vocational success, 6216
adult defensive reactions, 1199
& asphyxia neonatorum, 5356
attitudes toward death, 8606
bibliography (1940-50), 4535
(1953), 8829
& brain, damage, treatment, 9046
revascularization, 6211
care of, nurse in, 4536
Celastrus paniculata in, 1193
& cerebellar ataxia, syndrome, genetics, 2860
child, emotional quandries, 6212(b)
& mother's emotional problem, 1198
clinics for, 7703
clock & calendar concepts, 8812
cognitive test, 8818
color preferences, 2878
community adjustment, preparation for, 8810
concept formation, test, 7694
cottage care, values, 8825
counseling of, girls, 2879
& criminal behavior, 7792
cultural factors, 7691
day classes, 8049
delinquents, glutamic acid &, 1188
diagnosis, differential, 1186, 6221
drawing, color use, 7685
education, community programs, 8811
program, 7697
electroshock therapy, 2852
emotion, individual differences, 1187
emotional disturbance in, 4549(a)
employability of, 7687
employment of, England, 1184
eosinopnia in, 2862
etiological types, & social maturity, 2854
exogenous, visual perception, 8820
fertility, & intelligence, 8823
genetic factors, review, 1185
genetics, 8367
glutamic acid, 1202, 2866
group play therapy, 1191
hearing defects of, 8817
home training, 1178
program, 6208
identical twins, case, 7690
industrial therapy, 1175, 1183
infancy, diagnosis in, 4540
institution, cerebral palsy training, 7894
chaplain in, 2872
cottage problems, 2874
educational problems, 7696
employee, morale, 7692
selection, 7693
turnover, 7696
job analysis, 1194
psychology in, 3634
recreation in, 2851
therapy & training, 2867
institutionalization, & family attitude, 7702
parent view, 2875
& juvenile delinquency, 2965
laterality in, 2870(a)
low grade, drawing ability, 1200
masturbation, treatment, 8824
mental, development, 1192
retardation, 6215
mobility & coordination, 4510
motor performance, & etiology, 2863(a)
needs, social & guidance, 9014
occupational success, 2873(a)
on-the-job training, 1174
parent, guidance clinic, 6213
needs & desires, 6217
parental, counseling, case, 2859
group therapy, 1179
guidance, 8822
parents of, counseling, 2858
group guidance, 2881
& rehabilitation, 7704
Pavlovianism theory, 8813
phenylpyruvic, liver enzymes, 2864
& physical rehabilitation, 4537
Picture Vocabulary Test, 7700
pre-academic program, 8828
pre-school play program, 1530
prevalence, sex differences, 4545
Progressive Matrices scores, & play therapy, 2865
pseudo-, case, 4534
psychiatry in, 4539(a)
psychodynamics, 4536(a)
psychology &, 8819
& psychoneurosis, case, 1201
psychotherapy for, 2697, 4533, 7689, 8815
rail walking performance, 6210
reaction time, & distraction, 1196
review, 1150, 7639
rigidity, Kounin-Lewin theory, 4531
Rorschach responses, 6205
school help for, 6552(b)
sheltered workshop for, 7705
social, adjustment, 7695
case work in clinic, 8816
needs, community plan, 4544
sociological aspects, 7699
special, education follow-up, 2855
school program, 1181
speech, correction for, 8860
defects, 6220
measurements, 2877
TAT with, 1175
textbook, 2876
theory, & practical problems, 8821
toxoplasmosis &, 7888(b)
treatment of, 6212
types in clinics, 2861
variability in, 6207
vocation demonstration school, 8052
vocational, adjustment, 7701
education for, 2860
guidance, 2856
rehabilitation, 1180, 2857
weight illusion, 4520
work, & supervision types, 2860
(*See* also Mental deficiency)
Feeding, & activity level, rat, 5517
aperiodic behavior, rat, 5486
behavior, social facilitation, dog, 5525
habits, Nereis diversicolor, 5519(a)
infant, & thumbsucking, 8855
pellet, apparatus, 1827
Feeling, in Indian psychology, 7109
uncanny, case, 8804
Feeling-tone, & time-perspective, 449
Fenichel, O., collected papers, 8123
Ferret, oestrus, & photoperiodicity, 406
Fertility, control methods, 4249
& fear of pregnancy, 432
& intelligence, 2276
feebleminded, 8823
& interest in children, 2529
physiological control, 1965
social, factors, research in, 8671
mobility, 2533, 4226(a), 5904
socio-psychological factors, 4250
trends, Puerto Rico, 752
Fetishism, & body image development, 7723
case, 1221, 1227, 2900

etiology, & dynamics, 7749
nature & theory, 7722
projective tests, case, 1218
psychoanalysis, 1204, 4595
Fiction, science, communication in, 7248
sentiment, true vs. false, 2289
Field, conditions, & verbalization, 7470(a)
Fighting, in animals, 2186
Figure, perception, & information, 6986
Figure Drawing Test, in schizophrenia, 4686
Film, of complex motor skill, 1499
educational, bibliography, 1905
pictorial & verbal elements, 7089
instructional, bibliography, 7992
physical viewing conditions, 7954
research on, 8972
learning, & audience participation, 7987
& narration listenability, 8986(a)
repetition, 8985(a)
teaching skill with, 7953
mental, disorders, review, 1172
hygiene, list, 7483
optical effects, & learning, 1485
pre-test, & learning, 1495
sound, military training, 1468
speech & hearing therapy, 8856
stereoscopic, training value, 1446
test, vehicle repairman, 8093
training, knowledge of results, 1480
& organizational outline, 1450
Finger, movement, in psychoses, 4638
tremor, schizophrenics, 6346
Finger painting, child, 938
in psychosis diagnosis, 6357
in subnormal classes, 9017
Finland, male, pre-marital sex behavior, 8486
national character, 4212
Fire, sacred, psychoanalysis, 2474
Firmness, perceptual judgment, 321
subjective assessment, 2042
Fish, accommodation & convergence, 6977(a)
conditioning, & response threshold, 5516
daily movements, 3870
sun-, color discrimination, 5437
swimbladder reflex, 7078
visual purple from, 2090
Fitness, biological measures, 5330
Fixation, abnormal, learning, 4003
breaking, guidance &, rat, 7154
etiological factors, 6244
Flesch Index, original vs. simplified, 841, 842
validity, adult material, 4851(a)
Flicker, & low contrast in readability, 8241
perception, & auditory stimuli, 3786
sickness, 5467
Flicker fusion, & accommodation, 3753
apparatus, 6762(b)
& auditory stimulus, 6979(a)
& carbon dioxide, 365(a)
& cigarette smoking, 8419
critical, binocular, & phase, 7011
Crozier & Wolf, 6992
temporal factors, 6954
in dark adapted eye, cat, 6973
& electroretinogram, 8414, 8436
factors, & measurement, 2116
physiological determinants, 351(a)
& reading fatigue, 3424
& retinal image area, 6958(b)
schizophrenics & paretics, 7823
& stress, 3762, 5421
Flight Aptitude Rating Battery, weighting techniques, 3358
Flight into health, review, 4525
Flugel, J. C., portrait, 3510
Fly, house, larva, senses & behavior, 8401
Flying, aptitude, Rating Battery, 3358
depth perception, 5450
fatigue, effects, 3415
high speed, & eye movement times, 8240
instructor, self-evaluation, 1653
Link trainer effectiveness, 1657
& ocular muscle balance, 8256
primary training, psychomotor tests, 5002
training, & attitudes toward peers, 3388
& authority-figure attitudes, 3405, 3406
basic, & academic performance, 3404
GED Tests in prediction, 3343
instrument, radio omission, 3418
objective check flights, 3431
rotation illusion, 2022
transfer from trainer, 6691
(See also Aviation)
Folie à trois, case, 6228
Folk, beliefs, & empirical knowledge, 4190
society, characteristics, 2496
sociology, significance, 2491
Folklore, & psychoanalysis, review, 9637
Food, accumulation, & deprivation, 3897
choice, & energy expenditure, 5515
deprivation, & activity, 5497
ingestion, acceptability measure, 3699, 3700
intake, & air temperature, mouse, 3886
& amygdaloid nucleus, 1973
apparatus, mouse, 3549
& caloric need, 3559
& electroshock, rat, 420
& lateral hypothalamus, 260
neural control, 2011
& thirst, 5561
lacks, & alcohol intake, 3098
preference, & incentive size, 395
selection, rat, 5488(a)
Forbidden, lure of the, 6265
Ford Foundation, report (1953), 1911
Foreman, effectiveness, predicting, 5019
leadership training, 3376, 3378
production, behavior measures, 8220
training, attitude vs. technique, 3379
Forgery, psychological theory, 7791
Forgetting, & ego-involvement, 7186
& psychoanalysis, 34
of traumatic words, 5981
Form, bisection & age, 5754
visual, & language, in communication, 4282(a)
Formboard, performance, cerebral palsy, 7892
Foster care, adjustment prediction, 8706(a)
adoption, textbook, 2331
parent legal rights, 2327
placement, psychoanalysis &, 2791
replacement to own family, 5731
unadoptable children, 2351
(See also Adoption)
Four Picture Test, protocol variables, 4401(a)
& role taking, 4402
Fovea, functional & structural areas, 8435
photoreceptors, directional sensitivity, 5412
sensitivity, changes, & stimuli, 6960
spectral sensitivity, 2087
France, group psychotherapy, 7576
mental hygiene agencies, 7486
vs. Athens, culture, 2493
Frankl, V. E., & logotherapy, 2708
Fraternity, minority groups, attitudes, 4882
Freedom, child's concepts, 2311
concepts, & mental health, 895
Freeman MA Test, 2903
French (language), reading ability, measurement, 7988
teaching, methods, 7996
Freud, S., biography, 3633, 3649
cocaine studies, 5277
dream, reanalysis, 5272
early publications, 6855
& ethics, 4156
& hypnosis, 1929
Jaspers, K., vs., 61
Jewishness of, 6838
letters of, 5585
to Fliess, 8328
to Reik, 3622
& Lichtenberg, G. C., 6848
religion, theory, 802
Friendship, leadership & followership, 8623
& love, 809
psychological, factors, 4152(a)
symbiosis, 2440
psychology of, 4150
Frigidity, atypical forms, 7706
Frustration, adjustment, child, 626
-aggression, Negro children, 5880
aggressive responses, 1738(t)
child, & achievement, 4083(a)
counseling &, high school, 4911
& fatigue, 5504
feeding, infant, & adult behavior, 1721(t)
generalization, & fantasy, 4007(a)
in infancy, 7299
methodological program, 4558
& performance, 2287
quality, theory, 3901
of primary need, & anxiety, 1689(t)
& problem-solving, 7122
& response, mice, 3480(t)
in stuttering, EEG, 7771(a)
& task preference, 8499(a)
transient, & projective tests, 3453(t)
Fugue, epileptic, behavior in, 7906
hysterical, case, 3046
Full Range Picture Vocabulary Test, with feebleminded, 7700
Function, group & individual, 6773
linear discriminant, application of, 7412

Galton, F., psychological contribution, 8336
Galvanic skin response, conditioned, generalization, 7151
EEG, & auditory stimulus, 3884
& emotion, 232
extinction, & sensory preconditioning, 7134
measurement units, 5343
& neuroticism, 3051
& pain threshold, 6932
Paintal index, 3866
palmar, circuit, 1825
& reading achievement, 4853(a)
rhythmic induction, 237
Gambling, probability-preferences, 3903
Game, N-person, solutions, 1897(a)
team, competition attitude scale, 729
two-person cooperative, 1892
Gamma movement, factors in, 2050
Gandhi, psychoanalysis, 2513
Gang, adolescent, group work, 4072
& inter-group conflict, 690
Gaping, mechanism, birds, 425
Gargoylism, neuropathology, 1420
Garo, clan formation, 770
Gastric, secretion, psychic stimulation, 3687
Gastropod, escape responses, 2157
General Aptitude Test Battery, & college grades, 1565
General Culture Test, vs. ACE Psychological Examination, 9039(a)
General paresis, penicillin treatment, 6421
Generalization, conditioned, GSR, 7151
reflexes, 8390
of fear motivation, 7129
frustration, & fantasy, 4007(a)
of imitation, 7182
in paired associate learning, 8521(a)
response mediated, 4019(a)
stimulus, & act regression, 3986
anxiety effects, 7180(a)
GSR, conditions &, 8545
& inhibition, 5624
& shock, 519
visual size, 8516(a)
verbal learning, 7175(a)
& visual memory, 2207
Generalized Distance Function, 6803
Genetics, audiogenic seizure, 3867
clinical, textbook, 8367
& feeblemindedness, review, 1185
history & trends, 3692
idiopathic convulsion, 1417
of intelligence & personality, 5350
mouse, lethal gene, 236
nerve disorder, chicken, 4747
& Norway rat domestication, 429
personality, multiple variance design, 6775
psychiatric, review, 7668
Geniculate body, binocular interaction, 3701
medial, electrical activity, 1983, 1984, 2007
Genital, interchangeability, 7680
Genius, & creativity, 4022
& instability, 1169
Geometry, training, & spatial relations, 5656
Geriatrics, psychiatry in, 668
review, 2370
review, 1127, 7712
Germ, children's conceptions, 7293
Germany, health & human relations, 7475
mental hygiene in, 2559
military psychology, 6666(b)
national prejudices, 5898
perceptual-motor skill research, 3949
psychiatry & neurology, 4527
psychological tests in, 5126
survey research in, 8653
vocational guidance in, 1112
Gerontology, society meeting, summary, 664
Gestalt, perception, figural after-effects, 5446
psychology, critique, 3529
touch & movement perception, 1816
theory, & intersubjectivity, 1813
Ghost, belief, learning, Ifaluk, 2504
Gibson effect, 5438, 5453
Gift, psychology of, 7359
Gifted, education for, 8051
Girl, science career choice, 8484
sports interests & experience, 8999
Gland, pituitary-suprarenal, in schizophrenia, 4634
Glare, automobile headlight, 6681
night driving, 8251
peripheral, & brightness, 2073
visibility under, 3397
Glaucoma, color blindness, case, 6985
pseudo-, hysterical, case, 7859
psychosomatic factors, 7882
Glossaries, abortion, therapeutic, 7883
addict slang, 7745
educational measurements, 3291
Jungian terms, 5151
psychology, 8
Glossolalia, in psychosis, 4640
Glueck Prediction Scale, validity, 6326

Glutamic acid, defective delinquents, 1188
in feeblemindedness, 1202, 2866, 7686
& phenomenological experience, 8366
Goal, gradient, concept of, 7138
setting, failure, schizophrenia, 7835(a)
ulcer patients, 7873(a)
Goethe, W., & Eckermann, J. P., 5691
psychology of, 5695
Goggles, dark adaptation, specifications, 5062
Golden age, concept of, 7340
Goldstein, K., biography, portrait, 6843
Gonad, hormone, & exhaustion, 3865
Goose, dominance behavior, 2155
Gorilla, string problem solving, 514
Government, loyalty programs & mental health, 5911
self, fitness for, measuring, 7416
Grade, class, report method, 3271
college, evaluation, 6585
letter, reliability, 4927
point-hour-ratio factors, college freshmen, 6148
school, factor analysis, 9035
reliability, & tests, 675
teacher, analysis, 4945
Grading, objective methods, 4949
school, & promotion, 9040
teacher, variables, 6587
Grammar, analysis, & ability, child, 7963
Graph, theory, as model, social science, 7379
Graphology, diagnostic value, 962
fear indicators, 1220
with hebraic script, 4320
interpretation, of naive persons, 4312
Leonhardt's writing, 4315
of ophthalmologists, 5087
in personnel selection, 6638
physiological components, 4321
Schopenhauer's personality, 185
textbook, 2610
writing situation, effects, 4308
(See also Handwriting)
Grasshopper, social behavior, 4125
Grassi Block Substitution Test, 105
Gratification, substitute, drive psychology, 7091
Grazing, behavior, cattle, 5498, 5501, 5518, 5554, 5562
study, critique, 5558
wild rabbit, 5555
Great Britain, abnormal psychology research, 6179
animal learning research, 5596
civil service, psychology in, 6627
clinical psychology in, 5979
culture, factor analysis, 2396
educational, psychology in, 6477
selection in, 6592
Navy, psychology in, 6703
probation, juvenile, 1301
psychiatric social work, 876
psychiatry in, 4522
psychology in, 5132
training in, 5305
secondary school selection, 1584
social psychology in, 5829
vocational guidance in, 6173
Greece, Athenian, vs. French culture, 2493
Draw a-Man test, validity, 2663
Gregariousness, in marine larvae, 5527(a)
Grief, after suicide, 7729
Group, acceptance, & creative activities, 8511(a)
action, & individual action, 4116(a)
affiliation, & morale, 7378(a)
anxiety, & countertransference, 7629
assembly, bomber crews, 4149
attitude, perseveration of, 5804(b)
attraction, & social conformity, 5793
behavior, adult education, 4099
& communication, model, 8889
observation methods, 3542
& prestige, 8624, 8642
belongingness, & social ratings, 6538
cohesiveness, concept, 4112
measurement, 8654
combat, Army, characteristics, 5036
communication, & coding noise, 2544
community, actions, research, 2461
decision, leader's attitude, 4155(a)
& leadership, 3403(a)
making, factors, 893
leadership, 2390
discussion, absent leader, 3415
effectiveness, 5806
for emotional maturity, 8057
experimental methods, 7332
in graduate work, 6523
interpersonal perception, 1728(t)
leader training, 2426
leaderless, performance, 1595
& personality, 925
supervisors, 1594
validity, 717
leadership, 2410
assessment, 671
measurement in, 7341
movement measure, 8616(a)
participation, measuring, 7331
in personnel selection, 8195
problem solving, 7333
size & decision, 7353(a)
spatial patterns, 8625
supervisor training, 5033
dynamics, & attitude change, 676
bibliography, 6469
institutional, 7378(a)
& J. L. Moreno, 3642
& psychotherapy, 7581
in rehabilitation, 4162
review, 7345
textbook, 2395
efficiency, ability & assertiveness, 5834
formal, participation, Mexico vs. U.S., 4219
guidance, of parents of feebleminded, 2881
individual adjustment to, 4126
influence, on individual test, 6068
informal, status relations, 4136
vs. institutional controls, 5028
inter-, antagonisms, 819
conflict, & gangs, 690
leadership training, 2506
& judgment formation, 5835
leaders, textbook, 7355
learning, theory, 722
likes, assessment method, 7383
memory, 511
morale, & individual motivation, 810
opinion, cooperation vs. competition, 702
organization, women's dormitory, 6544(b)
organizational effectiveness, 4143
organized, morale & leadership, 831
participation, factors, 6541
formal, & self, 7413
& valence, 7350(a)
& perception influence, 300
play, child in, 611
pressures, 5113(t)
& opinion, 7361(a)
primary, in Army, 2428
factors in, 4129
in mass communication, 8682
problem solving, & authoritarianism, 5820
processes, review (1953), 5797
properties, projective study method, 5860
reference, & human relations, 7367
relations, collection, 7369
concepts, 7368
& incompatible situations, 2417
& individual traits, 7390
power effects, 7346(a)
research, evaluation, 733
review, 7327
responses, to personality characteristics, 8563(a)
self-determination, democratic, 8621
separation from, effects, 8620
small, behavior, review, 2438
communication & disagreement, 2404
effectiveness, predicting, 4127, 4170
free-forming, 5814
imitation & rewards, 1763(t)
individual influences, 2412
interaction, research method, 726
& task, 4118
& leadership, 7330
structure, 2408
morale & communication, 3437(a)
participation, distribution, 711
progressive development, 3454
research movement, 7335
similarity measures, 4168
& social psychology, 7328
status, congruency, 4111
& leadership, 4147
structure development, 692
syntality dimensions, 5795
thinking of, 2397
in training, 6511
viscidity, measure, 4166
work, leadership changes, 2419
social, uniformity, resistance, 7344(a)
work, textbook, 2423
structure, children's, 616
task-oriented, communication theory, 2544
tension, questionnaire, 2458
3-person, power relations, 4145
understanding, empathy &, 670
values, common vs. discrete, 5918
vs. class membership, 691
vs. self ratings, & insight, 5805
volunteer, & community, 824
work, child guidance clinic, 1102
Group psychotherapy, acting out in, 4415
on acute ward, 7591
with adolescent girls, 4453
with adolescents, 1062
in alcoholism, 2040, 4583, 8850
analytic mechanisms, 4433
& antabuse, alcoholism, 7724
anxiety in, 1091
in aphasia, expressive, 8857(a)
with blind, 6446
cerebral palsy, pre-school child, 6420
in child guidance, 4492
in the church, 7602
in college mental hygiene, 4918
in community clinic, 7590
conflict avoidance in, 4458
in correctional institutions, 4624
co-therapists in, 4474
counter transference in, 7592, 7594, 7611, 7621, 7624
of criminal insane, 4669
dance-mime, 983
direct vs. indirect methods, 6078
dreams in, 4441
in drug addiction, 4599
dynamics of, 1014
excitatory, 4455
experience in, 4440
family, situation in, 1057
social service, 6144
in France, 7576
in general hospital, 7595
goals of, 2743, 4491
& techniques, 4459
gossip technique, 6081
& group, dynamics, 7581
social work, 2761
work, & adult education, 2712, 2720, 2733, 2734, 2757
handwork in, 1076
Horney's theories in, 4467
hospital, administrator in, 6082
discharge, 1335, 1345
& individual, patient productivity, 7588
relations, 2727
roles, 1366
& intelligence testing, 4408(a)
interaction process analysis, 4670
latent conflict problems, 4481
& leader role, in schizophrenia, 6721(t)
in marriage clinic, 8693(a)
in mass conflict, critique, 4163
in mental, deficiency, 8814(a)
hospital, 4418, 6069, 7569
methods, 2722
& values, 6116
with mixed minority groups, 4475
in naval psychiatric service, 4449
in obesity, 3080
& panic prevention, 4153
& parent education, 4235
for parents of feebleminded, 1179
patient leadership, 4471
play groups, 1083
principles of, 4434
in private practice, 7574, 7598
psychoanalytic, 2721, 4445, 6115, 7605, 8741
of psychoses, 1303(a)
psychotic adolescents, 2707
for reading disabilities, 4824(a)
research areas, 1007
for retarded readers, 6491
review, 1144, 6140, 7580
Rorschach in, 963
round-table technique, 4452
schizophrenia, 6331
disturbed, 2991
self-reports, written, 1034
with senile women, 1526(a), 4447
social, caseworker as, 4451
club for, 6114
integration, 4485
organization, in cottages, 4484
sociometric evaluation, 6128
specialist cooperation, 4436
spontaneous group, case, 7585
with stutterers, 1262(a)
techniques in, 4464
review, 4472
textbook, 6071, 6139
theoretical foundation, 4419
theory of, 7628
therapeutic, community, 2724
relationships, 3474(t)
therapist's role, 4448
in training clinical psychologists, 1946
transcription, 2 sessions, 6102
transference in, 7606
resistance, 1013
in tuberculosis sanitorium, 7889
tuberculous displaced persons, 4704

vs. individual in group setting, 4407
VA research in, 2756
in veterans hospitals, 7586
in voluntary mental hospital, 7609
Grouse, mating behavior, 5521
Growth, education, interpretation, 3286
& motivational stress, rat, 5525
organismic, concept, 3706
psychological, & fantasy, 1779(t)
Guessing, spontaneous alternation in, 1688(t)
test responses, & personality, 9044
on vocabulary test, effects, 3297
Guidance, A.P.G.A., 163
& breaking fixation, 7154
career, in Air Force, 3323
Army, 3322
classes, emotional problems, 6551
college, alumni evaluation, 6564
confidential information, 3270
& curriculum, 6581
in elementary school, 6573
high school, Negro, programs, 9025(a)
textbook, 6574
junior high school programs, 9029(a)
near-sociometric analysis in, 5996(b)
needs, high school, 6579(b)
in Negro colleges, 9030(a)
& personal adjustment, 4286(a)
in rural school, 4922
in schools, & medical staff, 6570
student, adjustment, 3273
problems & needs, 1550
teacher &, 8061
textbook, 2583
Y.M.C.A. services, 2569
Guilt, & child rearing, Rimrock, 1708(t)
correlates, young boys, 1719(t)
denial, as defense, 8839
feelings, in cancer, 8910
& psychoneurosis, 1360
religion & psychology, 2520
Gull, incubation behavior, 422
Gunnery, proficiency evaluator, 5071
sight, triggering in training, 3403
Gynecology, hypnosis in, 2762
hypnotherapy in, 3082
psychosomatics in, 3095
textbook, 4729

Habit, breaking, self-help textbook, 8281
Habituation, mechanism, non specific, 7148(a)
& psychopathology, 2227
rotation, practice distribution, 3948
Haiti, voodooism vs. Christianity, 5886
Hallucination, alcoholic, 2921
auditory, in alcoholism, 6271(a)
in hypnotherapy, 7626
braille, schizophrenia, case, 6448
hypnotic, 2257
mirror phantom, 4739
phantom, hypophyseal tumor, 3112
religious, psychosis, 4662
in schizophrenia, 4676
vestibular, case, 1243
Hamburg-West Yorkshire Group Test, 5202
Hamlet, psychoanalysis, 4058
Hand, & emotional expression, 5103(t)
Handedness, & body asymmetry, 5537
& child development, 7271
& eye dominance, 5417
left, & epilepsy, 4735
& mirror vision performance, 3952
monkey, 5563
& size perception, 3729
& tracking accuracy, 2183
Handicraft, ability, tests for, 3287(a)
Handwriting, adolescent, of C. F. Meyer, 4065
& aggressive expression, 3470(t)
alcohol effects, 2605
analysis, apparatus, 3548
& Blacky Pictures, 2652
disabilities, causes, 6505
& independence, adolescents, 2312
& ink color, 1504
& intelligence tests, 4998
learning, 1476
posture, effects, 3879
pressure, grip, 3880
of schizophrenics, 6342
electroshock, 3012
situation of, effects, 4308
speed, & intelligence, 929
(See also Graphology)
Hansel and Gretel, psychoanalysis, 599
Hantel, E. autobiography, 173
Happiness, metrical concept, 5582
Harvard Step Test, & work performance, 348
Head, injury, & EEG, 7898
position, & median plane perception, 7040
torsion, & visual stimuli, 7076(a)
Headache, hypnotic therapy, case, 6395
muscle contraction, & vasoconstriction, 8948
proneness, & motor conflict, 6404
tension, & anxiety, 3075
(See also Migraine)
Headset, tests, & side tone, 8450
Healer, non-medical, psychoanalysis, 3442
Health, complaints, by sex, age, & race, 7916
concept, physical & mental, 4297
diagnosis, & therapy, 7660
& human relations, Germany, 7475
Hearing, acoustic attenuation, of head, 2149
acuity, fluctuations, 7053
adaptation, intensity-time relations, 7061
atonal, in light sleep, 390
auditory nerve impulses, 8459
& brain surgery, 392
closure, 3742(a)
cochlear, adaptation, 2136
& auditory cortex responses, 5481
delayed side tones, adaptation, 5475
dichotic, & word selection, 7066(a)
discrimination, & reading readiness, 4822
displays, information of, 3419
dramamine effects, 3771
& ear, psychoanalysis, 5478
electrophonic, electrodes in, 381
fatigue, locus of, 7054, 7055
from pure tone, 8554(a)
sensation level, 8455
& speech intelligibility, 8403(a)
testing, 2148
frequency difference limen, 3840
function, cortical test, 7057
group test, with college students, 3151
human limitations, 394
integral ratio chromatic scale, 7069
intelligibility, PB words, 4276(a)
localization, visual cues, 3838
loudness, judgment, & information, 7050
recruitment, review, 2135
masking, apparatus, 93
nerve path, waltzing mouse, 6916(a)
noise, temporary effect on, 8452
patterns, & cerebral cortex, 384(a)
phonetic variables, perception, 8861
porpoise, high frequency, 8458
pure tone, subjective octave, 1775(t)
& quinine, guinea pig, 2133
& reading ability, 1492
recruitment, theory, 2141
research, microphone search tube, 7073
review, 385, 5476
side tone, & headset, 8450
sound, intensity, & cochlear trauma, 7049
localization, factors, 3835
speech, intelligibility tests, 8451
spectrum, variables, 2132
2 ears, 4260
stimulation, & visual images, 303
& vocal response, 8449(a)
subthreshold conditioning, 1781(t)
test, eyeblink response as, 5480
survey, school children, 5483
2-pulse type, 7047(a)
Western Electric vs. Massachusetts, 7060(a)
textbook, 7072
theory, place principle, 7071
threshold, absolute, variability, 7058(a)
& EEG, 7065
impaired ear, 3839
multiple observer, 3841
noise & hypoxia, 2147
pigeon, 383
ultrasonic, in porpoise, 5477
& vision, & prose comprehension, 6943
Hearing aid, use, & personality, 3152
Hearing defect, in cerebral palsy, 4750
children, textbook, 7063
education, special, 3261, 8039
educational guidance, 4903(a)
& feebleminded, 8817
high frequency, in children, 7067
loss, & feeblemindedness, 8220
masking, & pitch shifts, 7070(a)
patterns, school child, 379
test, pre-school child, 7931
moderate loss, child, 8952(a)
pre-school child, group training, 6444
program for, 2955
school programs for, 6559
speech, perception & noise, 8456
school program, 8850
therapy, films, list, 8856
theses, bibliography, 1268
services for, Purdue U., 1442
Heart, disease, child, reactions to, 7860
& fear, adolescents, 7866
history taking, 3106
& occupation, 2357
extrasystole, conditioned, 5346
hypnotherapy, 6413
output, & mental work, 5335
pain, psychoanalysis, 8911
rate, & anxiety, rat, 8843
conditioning, varying interval, 3934
& muscular exertion, 5348
Heat, tropical & fatigue, 5508
Hebrew language, teaching, 1475, 1484
Hedonism, psychological, 1797
Heiss Color Pyramid Test, 2681
Helmet, noise-excluding, evaluation, 3428
Helplessness, in psychoneurosis, 7851
Hemiplegia, EEG in, 7909
training, older ages, 1429
Hen, broodiness, development, 427
Henmon-Nelson Test of Mental Ability vs. Pintner Intermediate, 1567
Heredity, & adoption problems, 6780
alcohol preference, rat, 1238
behavior, disorder, EEG, 7734
mouse strains, 5351
review, 252
& environment, behavior, study, 5158
& personality, 2267
feeblemindedness-ataxia syndrome, 2560
inborn, meaning of, 23
& intelligence differences, 8562
& learning ability, animals, 8472
manic-depressive psychosis, 3034
& mental, disorders, textbook, 6187
health planning, 5984
psychiatric, review, 7668
in psychiatry, review, 1149
in psychoneuroses, 4694
Heterophoria, & target variation, 2119
Hibernation, & brain activity, woodchuck, 277
High school, achievement scale, 1563
adult students, characteristics, 9013(a)
alumni, attitude survey, 6470
biology achievement, 4819(a)
coeducational, & adjustment, 4885(a)
counseling, physically handicapped, 6568
curriculum, psychology of, 8010
graduate, & college, 1505
follow-up studies, critique, 4934
guidance, needs, 6579(b)
textbook, 6574
home room teacher, problems, 6576
literature, personal factors, 4811(a)
measurement in, textbook, 8078
Negro, guidance programs, 9025(a)
psychologist in, 4802
psychology program, 1952
rural attitudes, 8032
selection for, England, 1564
self-appraisal course, 1472
submormals, program, 9015
withdrawal, factors, 3236(a)
High school student, achievement, & intelligence, 9042(a)
aspirations, & parents, 4881
athletics, & social adjustment, 8580
attitudes toward, education, 8021
Negro, 2476
public schools, 6540
behavior, & teacher attitude, 6609
class attitudes & vocational aspiration, 3237
college advising, case, 6571
counseling, & frustration, 4911
dating behavior, 1506
deferred gratification pattern, 1516
early leaving, characteristics, 6467
girl's, social groups, ratings, 6538
sports experience & interests, 8999
intelligence test scores, 4943
interests, stability, 4891
leaders, interest patterns, 8019
marriage attitudes, factors, 9029(a)
Negro, problems of, 1520
& segregation, 7400
opinion, political, 1511
record, & post-school status, 6728(t)
religious attitudes, 3241
role assignment, & religion, 1518
school leaving, case, 4913
senior, reasons for staying, 9002(a)
social acceptance, factors, 9001(a)
socio-psychological attitudes, 2457
spelling, learning, 1502
staying in school, reasons, 8958(a)
talented, characteristics, 9007(a)
underachiever, counseling, 1551
vocational, choices, 4895
interests, 6169
preference, 6176
work attitudes, social factors, 4896(a)
Highway, engineering, human factors, 8237
Hillside Hospital, history, 6194
Hindi, achievement test in, 6087
intelligence test in, 7504, 7529

Hippocampus, stimulation, after-discharge, 6915
motor response, 8378
Hiss case, & criminology, 6319
Histamine, & shock therapy, psychoses, 3027
& stress, hormonal response, 1963
therapy, mental disorders, 2755
History, achievement, & reading scores, 1461
American, Crary test, 4864
Hoarding, & brain lesion, rat, 3892
non-relevant objects, mouse, 5552
& previous experience, mouse, 5551
satiation & deprivation, mouse, 5542
shyness &, rat, 408
Hoarseness, voice therapy, 4604
Home, psychoanalytic interpretation, 4238
& school, in child development, 7258
Home economics, student, evaluation, 3280
mortality, 4847
Homelessness, concept, & test for, 723
Homeostasis, brainstem control, 5367
concept, in psychological theory, 5166
& cybernetics, 1799
& death instinct, 3510
& disease concept, 1137
dynamic, principle of, 6744
& ego functions, 7220
psychological, of ego, 7227
Homing, in animals, 2018
bat, 3890
bird, random element, 5567
pigeon, navigation of, 417
Homosexual, male, drawings of, 2885
object choice, case, 1235
personality, TAT response, 1691(t)
Homosexuality, case, 7783
in children, 7707
as crime or disease, 4598
& ego structure, 8833
female, 2884
psychoanalysis, case, 4589
as offense, research, 1213
psychoanalysis, case, 2901, 6237
renifleurism, 1254
& schizophrenia, case, 2902
short psychotherapy, case, 1352
textbook, 2946
& vocational interests, 4572(a)
Hormone, activity, & pre-menstrual tension, 3084
& behavior development, rat, 5333
female, & acromegaly, 1409
function, in psychosis, 3026
Horney, K., funeral address, 189
obituary, 164, 176, 1933
portrait, 164
psychological theories, 6750
theories, in group analysis, 4467
Horopter, determination, oscillatory method, 8430(b)
Horse, -mule group, sociograms, 5786(b)
Hospital, adjustment scale, validity, 4349(a)
attitude to, measuring, 7674
general, psychiatrist in, 2820
psychiatry in, 2831
(See also Mental hospital)
Hospitalization, child, emotional effects, 2319
reaction to, 642
Hostility, & communism appeal, 4228
learning &, 6732(t)
in lysergic psychosis, 7821(a)
manifest, in dreams, scale for, 7547
& problem solving, 8498(a)
& teeth grinding, 8951(a)
tests of, comparison, 8722
H-T-P Test, in brain lesions, 3136
horizontal placement, 2640
for intelligence, 7545
interpretation, & clinician hostility, 4359
in projective battery, 4437
sex symbolism in, 6029
tree-trauma interpretation, 956
vs. Rorschach Test, 2645
vertical placement, 2641
Housewife, psychosomatic problems, 3090
Housing, heating, subjective reactions, 5080
interracial, & prejudice, 796
Negro, neighborhood reactions, 5894
public, attitudes toward, 2514
research, & race relations, 745
How Supervise?, validity, 1672
Howard Ink Blot Test, 1848
Hull, C. L., hypnosis, work on, 1941
portrait, 1913
Human, nature, anthropology vs. psychology, 8633
& culture, 3524
Thomistic philosophy, 52
rights, & religion, 826
values, & technology, 696
vs. animal, natures, 5136
Human relations, basic problems, 4248
in business, textbook, 3435
& college student personnel, 4010
conflict analysis method, 8650
essays, collection, 676
executive training, 5051
health &, Germany, 7475
in industry, 6612, 8204
textbook, 3318
values & theory, 1638
& intellectual conflict, 4141
& management, 8218
& motivation, 9100
& scientific management, 3375, 8205
small group training, 6511
sociology of, 4114
study, reference groups, 7367
test, for supervisors, 8148
training, supervisors, 5040
& worker morale, 8208
Human Resources Research Center, publications, index, 3317
Humidity, behavior, beetles, 5543
receptors, of beetles, 5406, 6946
Humm-Wadsworth Temperament Scale, & problem employee, 3350
Humor, child understanding, 7311
in communication, 1799
psychoanalytic theory, tests of, 8500(a)
Humpty Dumpty, psychoanalysis, 7247
Hungarian (language), vowel frequency, 7457
Hunger, behavior, taste, & food intake, 5530
drive, & secondary reinforcement, 503
& electroshock, rat, 420
& exploratory behavior, 5534, 5557
gastric secretion, psychic stimulation, 3687
& non-nutritive rewards, 1697(t)
& perception, 3033
& thirst, discrimination learning, 5626
learning, 477
Hunt Movement Scale, in family agency, 6010
Hunter, Thomas, obituary, 3627
Hunter Test of Social Attitudes, critique of, 8628
Huntington's chorea, in Cornwall, 1408
Hygroreceptor, of beetles, 5406
Hypercapnea, & audiogenic seizures, 8480(a)
Hyperphagia, hypothalamic, sensory control, 6730(t)
Hyperphoria, & vertical divergence, 357
Hypertension, & emotional stress, 3100
Pavlovian theory, 8920
& personality ratings, 4708
pre-, response to stress, 4715
psychoanalysis, 7874
psychosomatic aspects, 3105
Hyperthyroidism, personality of, 1396
Hyperventilation, psychodynamics, 7885
Hypnoanalysis, for dyspnea, 7755
of paroxysmal peritonitis, 7852
Hypnosis, age regression, & vocational choice, 2902
as anaesthetic, 2762
auto-, nature of, 400
awareness, planes, 3878(a)
& blood oxygen, 6896
in child psychiatry, 2762
clinical applications, 1018
conditioning to signs, 2159
& cortical activity, 5529
in dentistry, 2762
in dependent states, 7571
depth of, measurement, 2174
in dermatology, 2762
in education, & social psychology, 2185
& electroshock therapy, 7570
as emotional response, 404
evasion, as resistance, 6096
future experience under, 8488
hallucinations in, 2257
Hull's work on, 1941
hysterical state from, 7846
lying under, 2590
medical, history, 2762
specialties, textbook, 2762
medico-legal problems, 2176
& mental imagery, 5645
in motor aphasia, case, 3138
in obstetrics & gynecology, 2762
& paraplegia spasticity, 4737(a)
phylogeny of, 2167
physiology of, 2762
post-, conflict, psychotherapy, 7601
projection in time, 2168
projective responses in, 6013
in psychiatry, 2762
psychoanalytic attitudes, 1929
in psychotherapy, evaluation, 1074
resistance to, induction, 2171
& psychotherapy, 2719
scoring system, 434
self-, in childbirth, 3078
& dreams, 7202
psychotherapy, 2763
in surgery, 2762
susceptibility, sway test & imagery, 7095
TAT & vocational choice, 1114
theory of, 2182, 5522, 7086
as therapy, textbook, 1065
transference in, case, 1073
unconscious material revealing, 7497
vs. sleep, 7088
vs. spontaneous dreams, 4013
visual imagery technique, 415
Hypnotherapy, for alcoholism, 4591
& anesthesia trauma, 3077
for asthma, 3104
auditory hallucinations in, 7626
in child guidance, 2777
evaluation, 1074
& extrasystoles, case, 6413
in gynecology, 3082
headache, case, 6395
in hysterical depression, 3047
migraine, 6399
neurodermatitis, 6401
in sex offenses, 7715
textbook, 1065, 2759, 5565
Hypoglycemia, intoxication, fantasies, 7619
Hypomania, & depression, case, 8831
Hypoparathyroidism, neurological complications, 3713
Hypophysis, tumor, & mirror phantom, 3112
Hypothalamus, & cerebral cortex, electrical activity, 266
& emotion, 8357
hyperphagia, sensory control, 6730(t)
injury, & memory, 7902
lateral, & food intake, 260
lesion, & adrenal stress response, 6887
Hypotheses, formal types, 3525
testing, 1899
Hypothetical construct, function of, 6747
vs. intervening variables, 8291
Hypoxia, & hearing threshold, 2147
Hysteria, anxiety, in twin, case, 4687
aphasia, 2954
conversion, theory, 8906
diaphragmatic flutter in, 7850
epilepsy, cases, 8908
& food allergies, 6387
Freud early article, 6855, 7848
fugue, case, 3046
hypnosis induced, 7846
& oral conflict, case, 7849
personality, characteristics, 1362
orality in, 6380
& pseudoglaucoma, case, 7859
short psychotherapy, case, 1252
sleep paralysis, case, 8909
traumatic situation, case, 1361

IBM, electronic calculator, for correlation, 3607
machine computer manual, 8314
test scoring machine, & calculating, 6774
evaluation, 6816
Ibo, social stratification, 2511(a)
Id, organized qualities, 5674
Idea, of reference, environmental influences, 8846
Idealism, in modern psychology, 5153(b)
Identification, clinical interpretation, 4446
nature & problems, 7720
in psychotherapy, 2764
& social preception, 7365
Ideology, & attitude rigidity, 8026
conversion, 2526
Idiodynamics, & behavior theory, 3531
Ifaluk, ghost beliefs, learning, 2504
Illegitimacy, problems of, 7440
Illiteracy, textbook, 3174
Illness, child's attitude towards, 624
denial, & personality, 1431
motor restraint in, & aggression, 6392
physical, psychoanalysis of, 7632
prolonged, psychological aspects, 3074
psychological reactions, 4728
psychology of, 1399
Illumination, basic concepts & quantities, 3399
& depth perception, 5428
engineering, & brightness, 6698
& vision, 6689
preferred for reading, 7026
Illusion, body rotation, 306
Charpentier's, & age, 317
in depth perception, 6437(b)
direction, in movement perception, 6966
Müller-Lyer, study methods, 5420
twin differences, 7022

oculogyral, & acceleration-deceleration, 2075
duration, 331, 6981
& labyrinthectomy, 2142
& practice distribution of rotation, 3948
& rotation habituation, 2077, 3837
Oppel-Kundt, & age, 2108
optical, in haptic sphere, 3813
of rotation, 2022
visual, expansion, 5427
new, description, 334
theory, 326
weight, in diagnosis, 4520
Illustration, & text, comprehension, 7973
Image, visual, & auditory stimulation, 303
Imagery, ability, & hypnosis, 7095
Bocci, & age, 358
dominant, vs. blind, 7935
in drowsy state, 5645
& EEG, 542
in literature, 4006
objective test for, 8549(a)
in psychodiagnostics, 4313
& verbal learning, 8527(a)
Imagination, test, drawing as, 6025
Imitation, in autistic child, 7300
generalization of, 7182
reward effects, 1763(t)
Immigrant, adaptation, France, 4113
adjustment, Israel, 2512, 5938
assimilation, process, 2530
vocational guidance of, 2801
Immigration, & mental disorders, 8802
Impotence, atypical forms, 7708
psychosomatics, case, 3072
Impression, interpersonal, cues & expectations, 688
Imprisonment, psychological prediction, 6308
Impulse, strength, & age, 1700(t)
Impulsiveness, control, girls, 5717
Impulsivity, & chance-taking behavior, 5116(t)
Inborn, traits, meaning, 23
Incentive, & eye blink rate, 419
industry, for teamwork, 1613
use in, 1602, 1604, 1611
piecework, satisfaction in, 6662
Incest, psychiatric observations, 8872
twins, case, 2897
Incubation, substitute behavior, gull, 422
Independence, adolescent, & handwriting, 2312
in judgment, & personality, 2265
Index of Adjustment and Values, score changes & emotionality, 2618
vs. level of aspiration, 2617
Index of industriousness, & work habits, 6503
India, ancient, sex life in, 759
blind, & deaf children, 6451
rehabilitation, 3154
deafness, child, 4905
family, matrilineal, 8666
high school, guidance, 3267
Hindu, Upanishad, time abolition, 748
woman, role, 5796
marriage attitudes & adjustment, 7432
mate selection, & mass communication, 8667
military officer selection, 6643(b)
music, psychological study, 7240
psychology, feeling & emotion in, 7109
race attitudes, 2470
social, distance, 7364, 7404
problems, 7360
tensions, psychology, 2486
tribal, rehabilitation, 758
social organization, 7397
village economy & social structure, 757
women's status, 763
Indian (American), Brazil, culture, 2509
stuttering among, 2484, 4609
tribal ceremonies, 5875
Indignation, moral, & attitudes toward parents, 8796
Individual, action, & group action, 4116(a)
& cultural development, 7380
differences, psychomotor interference, 3994
review (1953), 5212
textbook, 1800
-group interaction, psychoanalysis, 2389
personal dynamics in bureaucracy, 2425
traits, & group relations, 7390
Individual psychology (Adler), approach, 72
& causality, 29, 40
characteristics, 30
child development, 5730
in church school, 63
collection, 1804
in contemporary psychology, 41
of Dr. Jekyll and Mr. Hyde, 596
in experimental school, 1454
in international tensions, 805
nature of, 26
patient experience, 1017
principles, 38
psycho-physical unity, & psychosomatics, 7884
responsibility concept, 81
tenets of, 66
unconscious, 65
Induction, simplicity, use, in, 1828
Industrial psychologist, Germany, autobiography, 173
Industrial psychology, in colleges, 5317
code of ethics, 3681
consulting work in, 6674
field research in, 6679
& personal adjustment, 8137
review (1953), 6684
social significance, 5080
textbook, 3380
training in, 6863
Industrial relations, journal, new, 5239
Industrialism, & human relations, 4248
Industrialization, & social patterns, 5936
Industry, accidents, human factors, 3407
administrator training, 1592
aesthetics, 6673
client centered therapy in, 9099
clinical psychology in, 1609
counseling in, 8209
fatigue, hygiene, 1652
reducing, 1645, 9106
glass jar, inspection, 3421(a)
Hawthorne experiment, critique, 1593
human relations in, 6612
bibliography, 4989
research, 8204
textbook, 3318
values & theory, 1638
incentive, for teamwork, 1613
use, 1602, 1604, 1611
joint consultation in, 6679
labor problem, role-playing in, 5024
laboratories, personnel administration, 3333
leadership attitudes in, 3324
lighting, & personnel, 8255
mental, disorders, rehabilitation, 4487
hygiene in, 1606, 6651
mobility in Michigan, 8250
morale, & group size, 1637
motivation, & morale in, 5049
nationalized, social psychology, 1659
old age, employment, 7318
personnel, problems in, 6621(b)
relations, index of, 9094
work, values, 1599
problem drinking in, 3328
production, & employee attitudes, 5050
factors, 1663
& merit rating, 1633
& shop organization, 1661
& social organization, 6661
productivity, & fatigue, 5061
& social status, 1687(t)
& workers, 5018
psychiatry in, 1608, 8111
review, 1134
psychologist in management, 196
psychoneurosis in, 3065
psychopath in, 3346
& social, change, 4215
groups, change, 6626
instincts, 1640
sociology of, bibliography, 8254
supervisor, training, 5030
tension, India, 8198
training, need, & effectiveness, 8263
evaluation, 1644
program, evaluation, 9089
& tests, 1601
unconscious inaction in, 6617(b)
vision in, 3427, 6676, 6688
wool, quality assessment, 3413
work, decrement factors, 1649
hazards, 8253
worker, adaptation, 1596
adjustment, 6623(b)
Infancy, & psychosomatic symptoms, 6397
Infant, aggression, & object relations, 6267
anxiety development, 1214
brain damage, syndromes, 4748
care, trends, 654
congenital activity type, 7275
crying, excessive, 647
as learned response, 8603
& parent behavior, 7308
development, & mental health, 2353
& speech defects, 6274
transitional phenomena, 2354
ego development, 629
electroretinogram, 6984
emotion, home vs. institution, 649
emotional development, 647
experience, & mature aggressiveness, mice, 8572
& stress response, rat, 6892
feeding frustration, & adult behavior, 1721(t)
frustrations, 7299
individual tendencies, 647
mental retardation & nutrition, 602
Negro, motor development, 8610
personality development, 5725, 7274
psychoanalysis of, 2787
response to mother, 7287
sensory chronaxie, 2030
speech, work approximations, 2334
tonic neck reflexes, 7264(a)
vocalization, development, 636
Inference, psychological empirical study, 1733(t)
Inferiority, feelings, & adolescence, 5716
individual & group, 7713
Informant, farmer, characteristics, 7424
Information, analysis, "Twenty questions," 7444
assimilation, visual stimuli, 455
bias, social perception, 4395
& figural perception, 6986
& incorrect perception, 3760
& loudness judgments, 7050
organization, Development Index, 1832
random diffusion, 5222
retention & recognition, 507
stimulus, & reaction time, 412
transfer, in perceptual-motor task, 7449
Information theory, & behavior as time series, 6745
& belief fixation, 7456
in biology, 3694
& choice response, 3902
in experimental psychology, 8298
fundamental natural concepts, 7465
& group performance, 2544
meaning & performance, learning, 3985(a)
nature & implications, 7462
& optics, 2067
& psychology, 7468
& rating scale categories, 5944
& semantics, 4256
textbook, 6790
two channel listening, 5968
& verbal learning, 3979
Ingratitude, psychodynamics of, 7721
Inheritance, regression of offspring on parent, 1880
Inhibition, conditioned, factors in, 5631
direct, neuromuscular, 6899
excitation, neural, 262
generalization, 5624
& interval to retention, measurement, 8528(a)
peripheral neuromuscular, 254(a)
proactive, & different instructions, 7166
instruction effects, 3953
& prior learning, 7130
reactive, meal worm, 485
& stimulus satiation, 3944
reciprocal, central nervous system, 286(a)
retroactive, & act regression, 3986
temporal factors, 7159(a)
theory, & effort, 5599
Insect, Acridoidea, sound responses, 7048
eye, optical mechanism, 3774
social, behavior, 701
caste determination, 396
textbook, 5541
vision, flying vs. non-flying, 6952
Insecurity, international, & death fear, 718
(See also Security)
Insight, definition, & relations, 5120(t)
in maze, rat, 1762(t)
social, self vs. group ratings, 5805
Insight Test, 2672
Instinct, concept of, 3845
death, theory, critique, 3510
& knowledge, animal, 463
Lorenz theory, critique, 7089
& personality, 547
social, & industry, 1640
theory, biology & psychoanalysis, 3853
critique, 3882
psychoanalysis, 50
Institute for Child Psychology, London, 6161
Institute of Living, psychophysiological laboratory, 154
Institute for Personality & Ability Test, 4341
Institution, for child behavior problems, 644
children, personnel for, 614
staff role, 627
correctional, group psychotherapy in, 4624
feebleminded, employee, morale, 7692
selection, 7693
turnover, 7698

person-, relations, 723
transference to, 1064
Instruction, remedial, school learning, 1462
Instrument, check reading, 6702
control, toggle switch, manipulability, 3395
display, aircraft, 1647
information, type, 8247(a)
optical, & visual field restriction, 9109
Insulin, coma, & eosinophils, schizophrenia, 3029
protracted, & brain damage, 8768
psychological changes, 6369
reflexes in, 8755
therapy, complications, 7573
method, 4426
phantasy in, 2758, 7619
physiological reaction, 2760
in psychosis, 8756
in schizophrenia, 8880, 8886
sensitivity, in schizophrenia, 3028
therapy, evaluation, 1023
schizophrenia, 8881
tolerance, in schizophrenia, 3013
test, in psychosis, 8887
U 500, in coma therapy, 2748
Insurance, life agents, training course, 1671
manager, How Supervise? scores, 1672
salesman, sales school & production, 1664
Intellect, function, & adjustment, Rorschach, 2612
& knowledge theory, 42
Intellectual, factor, & sensori-motor performance, 3895
performance, & stress, 1753(t)
Intelligence, 546
& achievement score profiles, 4951
activity, & cognition, 5738
& age, 4028
& aging, 7317
& brain damage, rat, 5364
Ceylonese, students, 8658
subcultures, 8662
child behavior problems, 2784
& conditioning speed, 497
& conservative-liberal attitudes, 7408
control, under stress, 4340
& cultural, differences, 4030
effects, Negro, 2485
of deaf child, 6449
deficit, schizophrenia vs. organics, 6365
deterioration, & disease, 8405
old age psychosis, 4101
senile psychosis, 4671
of education students, 6597
& eye muscle balance, 7125(a)
factor analysis of, 8558
in family groups, rural, 8556
& family size, 545, 2280
& fertility, 2276
flexibility-rigidity &, 1699(t)
& frontal lobe lesion, 267(a)
genetic study, 5350
& grammatical analysis, 7963
& group efficiency, 5834
heredity vs. environment, 8562
impairment, brain injury, 3142
& leadership, 4130(a)
& learning ability, 6494
logical vs. practical, 539
& Mosaic Test, 6065
national, survey of, 5885
of Negroes, 8659
old age, changes, 5657
Wechsler, 5775
Oriental vs. Occidental, Israel, 2492
& perceptual organization, 2250
prediction, from interview, 7503
of prisoners, 6294
& projective movement sequences, 8717(a)
& psychophysical performance, 4029(a)
Puerto Rican, child, N. Y., 544
children, 2471
quotient, adjustments of, 7548
change vs. constancy, 5654
changes, 2653
individual, different tests, 6023
& reading, & bilingualism, 4835
skills, 8005
& Rorschach Test, 958
& Rosenzweig P-F performance, 4364
& school, achievement, 9043(a)
compulsory attendance, 6473
screening tests, Puerto Ricans, 7234, 7238
semantic test of 4386, 8190
& social status, 7208
superior, sex differences, 8559
test performance factors, 5659
teacher judgment of, 3299
& temporal lobe, 6914
test, in adoption, 8777
checks, spelling-handwriting, 4998
& clinical practice, 8702
coaching, effects, 6031, 6066, 8718, 8739
& practice, 2261
comparisons, 4943
cultural, bias, 5655
fair, in education, 9036
difference or bias, 4026
5-minute vocabulary, 1724(t)
group, in Hindi, 7529
for vocations, 2260
grouping problems, 4027
Hindi, 7504
H-T-P as, 7545
Kuhlmann-Finch, 8305
nonintellectual, 4357
practice effects, 4382
& reading ability, 4342(a)
Rorschach, 6026
& school grades, factor analysis, 9035
score, interpretation, 9041
& mathematics training, 9048
speeded, factor analysis, 3421(t)
& temperament, 2270(a)
training effects, 7427(a)
unbiased, 4025
verbal group, 8067
water-escape, rat, 8508
testing, motor handicapped, 6450(a)
review, 1575
theories, & relations, 8557
theory, test implications, 4024
verbal, & bilingualism, 7207
deaf, 7921
vs. performance IQ, 7502
vs. personality, factors, 5589
of visually handicapped, 6455
& vocation, 2260
& vocational choice, 6174
& writing speed, 929
Intelligence Structure Test, 5197
Intelligibility, multiple-choice test, 8451
oral, training of, 856
of PB words, 4276(a)
speech, & altitude, 2535
& hearing fatigue, 8403(a)
male vs. female, 5970
sounds, 4267
& voice communication equipment, 9105
speeded speech, 845
Interculture, relations, research, review, 7377
Interest, Army officers, 8161
college student, & major field, 9008(a)
factor analysis of, 4358
inventory, & cultural factors, 3477(t)
as personality measure, 7510
item response, 1631
& leadership, adolescents, 1742(t)
& occupational classification, 6172
patterns, ethnic groups, 1695(t)
questionnaire, pre-school, 106
statistical interpretation, 5206
& school achievement, 1560
stability, high school, 4891
tests, review, 974
variables, factor analysis, 8121
vs. aptitude, 4495
clerical, 1616
vocational, aviation cadets, 8151
& curriculum, 4875
girls, formation, 8784
pictorial inventory, 7657
projective technique, 7649
& socioeconomic factors, 8782(a)
Intergroup, relations, & education, 676
textbook, 2446
tension, resolution of, 676
International, aggression, social control, 798
attitudes, changing, 833
modification of, 7425
communication, non-industrial countries, 873
research, 838, 860, 861
methods, 836
conferences, research on, 5848
study of, 5818, 5833
cooperation, psychology of, 820
exchange of persons, effects, 7362
insecurity, & death fear, 716
& mental hygiene, 898
organization, research in, 832
propaganda, research hypotheses, 855
U. S., evaluation, 875
relations, college student orientation, 4874
& education, 772
tension, & Adlerian psychology, 805
bases, 804
& human relations, 817
International Council of Women Psychologists, 5264
International Psychoanalytical Association, report, members, 160
Interoception, 2038
Interpersonal, attitudes, between sexes, 8582
feelings, determinants, 5838
impression, cues & expectations, 688
relations, measuring, 7383
Naval recruits, 4119
& psychological distance, 4128
& social perception, 4131
& the unconscious, 5812
Interpersonalism, theology of, 5128(b)
theory, sociometry, 5825(b)
Interpretation of Data Test, vs. General Culture Test, 9039(a)
Interruption in mechanical trouble shooting, 3398
Interview, aids, stereotypes, 3347
analysis, large unit method, 2747
assessment, validity, 3356
in attitude survey methods, 5863
brief, trauma dream, 1248
cardiac patients, 3106
clinical, 8702
pause analysis, 920
technique, 4322
data, scaling, 5862
for driver improvement, 5035
empathic understanding, 1739(t)
employee, & supervisor training, 8115
employment, college senior, 3365
improving, 3368
measures, 6632
exit, in personnel counseling, 8113
expressive movement in, 6007
initial, diagnostic value, 7495
in psychiatry, 8747
intake, social work, 7492
intelligence prediction from, 7503
intensive, in community research, 8647
interpersonal aspects, 7493
long, methodology, 4171
methods, & values, 7500
& personality appraisal, 7501
& personnel selection, 8146
bibliography, 3357
polls, trends, 4173
psychological, in medicine, 7494
psychotherapy, analysis, 1761(t)
record, evaluation, reliability, 3478(t)
recorded, in psychotherapy, 4489
recording, in counselor training, 6009
records, statistical analysis, 3545
as research methods, 3542
selection, for apprentice, 8147
for college graduate, 9089
technique, 8144
self-acceptance measures, 8705
social work, in research, 906
Soviet refugee, generalizability, 871
transcript, ratings of, 4423(a)
verbal conditioning in, 7143(a)
vs. observation, behavior measure, 1765(t)
willingness for, & sampling, 5861
Interviewer-respondent interaction, & survey bias, 8645(a)
Intestine, absorption in, conditioning, 2225
Introjection, & transference, 6094(b)
Introspection, concept, definition, 83
history of, 1916
method, modern, 5181(b)
as research method, 3508
Introversion-extratension, Rorschach measure, 7506
Invalidism, psychological, & mastectomy, 7855(a)
Inventory, personality, for personnel selection, 1622
validity, 7513
teacher professional beliefs, 9056(a)
Invertebrates, nerve transmission, 3715
Iowa Multiple Choice Picture Interpretation Test, validity, 8722
IPI Merit Rating Series, 8306
Isakower phenomenon, 2249, 2251
Isoniazid, in schizophrenia, 7805
Isonicotinyl hydrazide, in anxiety & depression, 4590
Israel, child body development, 542
children, vocation choice, 2804
elementary school leavers, 3173
immigrants, adjustment, 2512, 5938
leadership, 2401
personality, 2510
Jewish native youth, characteristics, 2487
mental hygiene problems, 750
psychiatric legislation, 1173
psychoanalysis, history, 1807
rural social stratification, 785
youth, acculturation, 2346
attitudes, delinquencies, 2961
Italian, alcohol, drinking habits, 4300
Italy, applied psychology in, 6671
national character & psychotherapy, 6073

psychology in, 5286
Rorschach Test in, 7543
Item, analysis, adjacent group differences, 1876(a)
blank form, 113
item vs. composite, formula, 129
keys, cross-validity, 6822
sample size & validation, 6820
simplified method, 6825
Spearman rank correlation, 5230(a)
complexity, & factor analysis, 8139
difficulty, judgment of, & information, 6802
level estimate, 5228
prejudgment, 137
& validity & reliability, 8312(a)
multiple choice, construction, 8092
modifications, 5216
reliability, 5219
response time, achievement tests, 4938
selection, for maximum validity, 6794
method, 5233
& sequential analysis, 109
test, continuity-type, 6584
validity, & conditions of testing, 8089
Ivanhoe, psychoanalysis, & teaching, 3230
Ivimey, M., obituary, 165

J-curve, critique of, 146
Jacob, psychoanalysis, 2306
Jamaica, community social organization, 7394
personnel practices, 8109
James, Wm., & ego concept, 174
psychological contributions, 3634
self-concept, 3630
James-Lange theory, 3905
Japan, culture, & psychoanalysis, 7406
Eta class, social distance, 5897
juvenile delinquency in, 7793
mountain community, social organization, 7396(a)
psychoanalysis in, 5167
student counseling in, 6575
Japanese, American, leadership, 742
personality, psychoanalysis, critique, 2479
somatotypes, 244
taste blindness in, 6931
(See also Nisei)
Jaspers, K., vs. Freud, 61
Java, Amok behavior, 5900
Jaw, weakness, in cataplexy, 7672
Jealousy, in children, 7750
pathological, 1246
Jefferson, Thomas, freedom of mind, & psychiatry, 3493
Jew, alcoholism attitudes, 2941
child, personality, 2339
education, attitudes toward, 7939
bibliography, 7945
evaluation, 7944
family patterns, 790
group, authoritarianism, 5901
nursery school, bilingualism, 7455
occupational stereotype, 780
social stratification, Poland, 2499
Job, analysis, Air Force methods, 3423
& communication language, 8236
feebleminded institutions, 1194
functions of, 8234
technical vocation, 3440
assignment, test combinations, 8173
behavior, telephone operator, 6634(a)
concept interview, & ratings, 3469(t)
description, in vocational guidance, 7653
elements, criterion ratings, 8221
evaluation, aircraft industry, 3409
civil service, 8116
employee acceptance, 5022
methods, 9095, 9097
& worker values, 8219
mobility, migrants, 4240
performance, & personality, 3465(t)
& satisfaction, 5029(a)
rating, & wage rates, 8110
requirements, & personnel selection, 9078
satisfaction, clerical workers, 6656
measuring scale, 5020
nurse, 5086
& production, 5025
questioning technique, 8223
railroad worker, 3384
raising, 1636
review (1952), 5042
scientists, 5096
social, correlates, 9070(a)
reward, 6662
status, 1687(t)
teachers, 9058(a)
Air Force, 4963
vs. needs, 6663
security, & power figure behavior, 6720(t)
status, Negro, & education, 4209
success, prediction, 8164
titles, & areas, 3336
worker attitude & personality, 6611
Joke, child understanding, 7311
Jonah, psychoanalysis, 7419
Journal, bibliography, 5304
psychoanalysis, bibliography, 5241
social science, bibliography, 6833
Journal of Mental Science, history, 5243
Journals (new), animal behavior, 3618
counseling, 6835
Ergologie, 3617
personnel & industrial relations, 5239
professional ethics, 6827
psychoanalysis, 8321
psychotherapy, 155
Judge, estimates, standardization, 6755
Judgment, distance, factors in, 6699
experience influence, 5570
formation, group influence, 5835
independence, & personality, 2265
loudness, & information, 7050
maturity, test for, 4336
moral, nature of, 697
non-, attitudes, in casework, 2592
of observer pairs, 7352
paired comparison, inconsistency, 5185
perceptual, biased set, 3726
& learning, 5390
set & anchor point, 6939
& training, 6935
size, color effects, 2053
induction effects, 8438
visual length, time errors, 348
weight, subjective scale, 2020
Jung, C. G., biography & bibliography, 5151
quotations from, 5159
Jungian psychology, & alchemy, 1793
archetype concept, 31, 5142, 5160
collected works, 1811
collection, textbook, 5159
& education, 6468
in psychotherapy, 1022, 8752
goal, 2717
limits, 4482
textbook, 35, 62, 5151
transference in, 985
Junior high school, guidance program, 9039(a)
Junior Personality Quiz, 7514
Jurgensen Classification Inventory, fakability, 1624
Juvenile delinquency, adolescents, Rorschach responses, 6863
bibliography, 4625
in Bolivia, 6291
boys, parent manual, 2962
causes of, 1296
& treatment, 1285, 7779
child guidance in, 1097
court treatment, Israel, 2978
detention, short time, 4634
disturbed boys, treatment, 1291
& educational counseling, 4623
eleven-year old boys, 6328
etiology, 1284
girl, peer acceptance, 6329(b)
Glueck prediction scale, validity, 6326, 7778
individual test of, 7801
institution, therapeutic vs. punitive, 7794
therapy in, 4620
institutional reeducation, 4632
in Japan, 7793
K.D. Proneness scale, 6768
mental defective, treatment, 2965
MMPI, predictions, 2970
scores, 1290
motherless, sister influence, 1300
N.Y. Children's Court, 6302
occupational therapy for, 1292
& parental organization affiliation, 6286
personality &, 6301
adjustment of, 2971
Egypt, 1289
Porteus Maze Test performance, 8865
pre-, treatment, case, 6239
prevention, & community organization, 4615
& group work, 4616
& psychotherapy, 1296
probation, Great Britain, 1301
psychiatric, evaluation, 4635
study, 6320
recidivists, 7800
rehabilitation, 1286
running away & vagrancy, 1279
schools, 6322
& prevention, 2972
records &, 7790(a)
social, correlates, 1297
& economic factors, 8869
work with, 7498
worker &, 6287
socioeconomic factors, 6290
superior, institutional treatment, 4630
textbook, 6321, 6862
thief, case, 2968
treatment, case, 6329
in Uruguay, 6308
vagrancy, management, 4622
young boys, follow-up, 4633

K. D. Proneness Scale, 6768
Kafka, G., obituary, 3636, 3646, 3647, 5291
portrait, 3647
Western culture development, 4160
Kahn Test of Symbol Arrangement, 107
Katz, D., collected studies, 5129
obituary, 1932, 1936, 3639, 3644, 5274, 6849
portrait, 5274, 6849
Kent-Rosanoff Word Association, response frequency, 7557, 7558
Kindergarten, child characteristics, 2334
special education in, 3265
Kinescope, evaluation of, 8993
Kinesthesia, feedback, & motor control, 8242
Kinesthesis, acuity, & muscle balance, 3731
firmness judgments, 2042
in motor, learning, 2218
performance, 2160
skill learning, 518
perception, adjustment to, 308
reaction time, method, 2158
recognition, retarded readers, 6492
& size perception, 3720
space, figural after effect, 5399
tests, & fatigue, 8490(a)
King David's anger, 8842
King Lear, psychoanalysis, 578
Kinsey report, & attitudes toward male behavior, 811
female, critique, 7728
sexuality, critique, 5489
statistical problems, 7077
women, critique, 5507
Kinship, & marriage, Africa, 5890
Kirkpatrick Scale of Family Interests, & marital adjustment, 725
Kite, E. S., obituary, 6837
Klein, Melanie, portrait, 5269
Knight, R. P., portrait, 166, 8754
Knowledge, empirical, & folk beliefs, 4190
of results, motor learning, 3926
presenting device, 3537
& reinforcement gradient, 3917(a)
theory, Chinese, 5145
& intellect, 42
materialistic, 5152
Kohler, W., American impressions, 179
Koh's Block Design Test, Bonnardel modification, 8715
Korsakow's psychosis, amnestic syndrome, 3130
& brain haemorrhage, 4778
Kretschmer, E., biography, portrait, 1914
Krüger, J. G., experimental psychology (1756), 6853
Kuder Preference Record, forced choice vs. differentiated response scores, 8788(a), 8789(a)
half length, reliability, 3342
& labor turnover, 3385
& occupation classification, 6172
readability, 8729
stability of, 8114
vs. Allport-Vernon Scale of Values, 3352
vs. MMPI, 2636(a)
Kuhlmann-Anderson Intelligence Test, norms, independent schools, 1574
Kuhlmann-Finch Intelligence Tests, 8305
Kymograph, for long recording, 3541

L-M Fergus Falls Behavior Rating Scales validation, 2657
Labor, groups, controls, 5028
leader, ethnic, problems, 5027
-management, communication, 6660
relations, communication, 3372
empathy in, 3382
urban attitudes, 812
role-reversal, 1641
mobility, Great Britain, 6625
strikes, miners, causes, 6665
turnover, & economic conditions, 1598
factors, 3329
prediction, 1617
Kuder, 3385
union, member attitudes, projective interviewing, 9098
officers, selection of, 1642
organizer, characteristics, 5034
Laboratory, psychological, Institute of Living, 154
Labyrinth, guinea pig, quinine effects, 2133
neurophysiology, 387
removal, & postural vertical, 2145, 2146

Labyrinthectomy, unilateral, & oculogyral illusion, 2142
Lalo, C., obituary, 3640
Lamparter Test, in old age, 659
Lancaster Test, for diplopia, 2069
Language, abilities, interrelations, 6497
achievement, clinical prediction, 8987
tests, 8984
aptitude, testing, 8973, 8994
& bee communication, 5945
behavior, manic psychotic, 1326
bilingual child, 857
& biological methodology, 1841
& cognitive processes, 5958
& communication, 8681
comprehension, & presentation method, 8974(a)
& concept areas, 8552(a)
& consciousness, 5173(b)
& culture areas, 4186
dating, method, 5957
deaf-mute, 1434
development, pre-school child, 2333(a)
difficulties, of child, 8587
disturbance, & brain disease, 7774
as expressive behavior, 4042
extrapolation & interpolation, 7461
foreign, achievement prediction, 3214
aptitude tests, 8006
parallel achievement tests, 4842
about language, 5946
& metaphysics, 46
motivation in, 7463
oral, & reading, 1459
origin of, 4277
perseveration, measurement, 2660
philosophy of, 5948
phonemes, Russian, statistics, 4261
phonetic change, causes, 5960
problem, cerebral palsy, 4734
& psychology, 866
of psychoneurotics, 3059
readiness, kindergarten, 1496
science of, textbook, 5947
& scientific methodology, 5176
skills, interrelations, 3198
sociology of, 840, 5951
sound features, preservation, 5959
sounds, acoustic analysis, 7059
in special schools, importance, 869
structure, psychology, 5971
system, & perception, 7446
teaching, Hebrew, 1475, 1484
& learning theory, 1464
& thought, 3259
training, trial course selection, 8978
translation, machine, 4255
usage, child vs. parent, 6513
& value preferences, 5955
& visual form, in communication, 4282(a)
vocabulary semantic structure, 8691
Lapicque, L., biography 1919
obituary, 3641
Latency period, case, 6239
factors influencing, 5739
masturbation in, 7711
vs. adolescence, characteristics, 4079(a)
Laterality, in feebleminded, 2870(a)
Latin America, social sciences in, 716
Laughter, in schizophrenia, 1308
Law, civil, liability, psychoanalysis, 3439
litigation, opinion survey in, 3447
confession, psychological methods, 1677
criminal responsibility, 6289
medico-, & clinical psychology, 199
& psychology, 202
mores, psychology, 706
origin, psychoanalysis, 679
& psychiatric nosology, 1164
as social differentiation index, 5918
& technology, 825
Law of Comparative Judgment, least-square solution, 1868
Law of effect, spread factors, 3995(a)
Leader, absent, discussion group, 2415
aircraft commander roles, 8196
attitude, & group decision, 4155(a)
authoritarianism, & evaluation, 1726(t)
conference, 8117
course, selection, Army, 8172
group work, textbook, 7355
high school, interest patterns, 8019
immigrant, Israel, 2401
as judges of fact & opinion, 7356(a)
national, opinion polls, 7427
role behavior, social influence, 8622(a)
vs. non-leader, college, 1510
Leaders Reaction Test, 7374
Leadership, adolescent groups, 2307, 2340(a), 4892
attitudes, measuring, 3334
church, & old age adjustment, 2373
& classroom procedure, 5842(b)
& combat behavior, air commanders, 8211
in decision-making groups, 2390
definition, & factors, 7357
democratic, & teacher training, 9050(a)
discussion, groups, 2410
training, 2426
in education, 1587
& educational administration, 7947
emergent, discussion group, 8641(a)
& empathy, 7326
evaluation, 7325
factors in, 677
followership, & friendship, 8623
& group, decision, 2403(a)
discussion, 1595
assessment, 671
criterion validity, 717
morale, 831
instructional, evaluation, 9060
& intelligence, 4130(a)
& interests, adolescents, 1742(t)
interview test for, 7373
loyalty in, 4135
& management, 9073
national, attitudes toward, 704
Naval, petty officers, 698
neighborhood, authoritarianism, 687
non-commissioned officers, 5824, 6217
in nursing, 1682
patient, in group psychotherapy, 4471
peer nomination, as predictor, 9082
personality tests, 7336
assessment, 7376
rating, & interaction chronograph, 7375
& role conflict, 712
& ambivalence, 4151
rural communities, 4211
& small group behavior, 7330
sociology of, 684
sociometric theory, 5826(b)
& status, small group, 4147
structure, small groups, 2408
& supervisor training, 6649
in teaching, 4978
temporary group, sociometry, 5807(b)
test prediction, & effectiveness, 5831
training, foreman, 3376, 3378
inter-group, 2506
problem solving in, 4837
students, 4873
work groups, changing effects, 2419
Learning, ability, & heredity, animals, 8472
& intelligence, 6494
& ACTH, 5342
alternation, periods, 3925
spatial gradient, 5639
stimulus satiation, 3943
animal, research, Great Britain, 5598
& anxiety, 6226
effects, 7180(a)
& stress in, 7140
& task in, 5627
associative, cluster & reinforcement, 2206
& audiogenic seizure resistance, 3946
avoidance, temporal parameters, 3992
traumatic, 2234
blindfolded obstacle avoidance, 6443
causal relations, child, 8576
choice behavior, & satiation, 5633
classroom, measuring, telemeter, 1486
closed field test, & electroshock, 517
complex, & anxiety, 480
skill vs. simple, 1467
cooperative multiple-choice, apparatus, 6761
curve, group, plotting, 3955
delayed response, chimpansee, 5608
discrimination, absolute shifts, 470
& age, 5602
ambivalent object, 3997
apparatus, 3534
choice-point cues, 3923
concurrent, 487
& differential reward, 5594
exploration motivation, 472
fear motivation, 8524(a)
form vs. color, 476
hunger & thirst, 5626
& irrelevant, relation, 4005
variable, 2210
& lobectomy, 516
measurement, 475
nondifferential reinforcement, 5593
observing response in, 533
in octopus, 1799
& patterning, 3936
predifferentiation training, 3918
reinforcement, 2213, 3978
gradient, 5621
& reward magnitude, 5604
& rigidity, 471
with rodless retinae, 7162
& secondary reinforcement, 3929
& set, 488
simultaneous vs. successive, 5595
& stimulus, 3939(a)
& reinforcement, 483
similarity, 8522(a)
type, 1736(t)
task & process, 5628
& visual, experience, 368
monkey, 2209
rodless mice, 8991
water tank apparatus, 2219
displaced goal, behavior results, 7191
effectiveness, concomitants of, 8540(a)
& electroshock, psychotics, 4672(a)
elements, in neurosis, 7852
engrammatic concept, 3968
extinction, & drive, 6718(t)
& reinforcement, 1780(t), 5622
resistance, factors, 1727(t)
fear, & number of trials, 8529
by reinforcement, 7145
film, & audience participation, 7987
& narration listenability, 8986(a)
optical effects, 1485
pre-test, value, 1495
repetition, 8985(a)
& fixated response specificity, 5601
function, Thurstone's, 7152
generalization of fear motivation, 7129
goal gradient concept, 7138
group, theory, 722
guidance, & handling, 7154
transfer, 3190
gunnery task, triggering in, 3403
& heredity, in behavior, study, 5158
& hostility, 6732(t)
hunger, drive, & nutritive reward, 2208
& non-nutritive reward, 1697(t)
vs. thirst, 477
incidental, orienting task in, 5630
& stimulus presentation rate, 5623
& information theory, 7456
instrumental, verbal response, 3959
irrelevant, drive, 468
stimulus, 3965
incentive & satiation, 3962
knowledge of results, 1480
precision, 3927
latent, 492
avoidance gradient, 7184
in children, 8542
& differential cues, 3963
& discrimination reversal, 1749(t)
drive conditioning, 501
& negative transfer, 506
neural postulate, 4004
reduced 2nd reinforcement, 1778(t)
& residual drive, 499
lever, positioning responses, 7132
& lobotomy, 1717(t)
manipulation-exploration motives, monkey, 2217(a)
mathematical, & electronic models, 8546
theories of, 7183
maze, anoxia & convulsions, 3954
& audiogenic seizure, 3990
of blind, 1439
& drive level, 489
earthworm, 3984
exploratory, drive, 505
experience, 7187
guidance effects, 3951
human, warm-up, 3949
insight, rat, 1762(t)
light as motivation, 473
mechanical model, 6757
& neonatal anoxia, 242
& nicotine, rat, 8520
random reinforcement, 529
retention & brain lesion, 520
& reward magnitude, 484, 3936(a)
sub-threshold saline reward, 3998
swimming underwater, 3974
time & food deprivation, 7139
meaning, & information theory, 3985(a)
memorization during recall, 2229
mirror performance, 3952
Morse code, 3961
& motivation, external, 5607
inducing techniques, 8547(a)
of motives, 3988
motor, amount & task length, 7168
bilateral reminiscence, 8523(a)
click reinforcement, 3981
complex, by film, 1499
correlational analysis, 5615
different tasks, correlation, 2223, 2224
error restrictions, 2205
& induced tension, 5619
& initial ability, 5629
interference susceptibility, 3966
kinesthesis in, 518, 2218

knowledge of results, 467, 3926
long time retention, 3960
motivation & practice, 2203
pacing, transfer, 7170
performance, in phases, 5616
prediction, 5590
& practice, distribution, 513, 5629
duration, 7133
pretest practice distribution, 8513
& rest, intervals, 2228
periods, 7169
speed vs. accuracy set, 4871(a)
transfer, & age, 2238
& task similarity, 479
verbal pretraining, 7165
& work decrement, 5603
multiple-choice, gradient theory, 3935
in schizophrenia, 4667
& non-differential reinforcement, 7137
in one-dimension tracking, 534
operant, non-nutritive reward, 3934(a)
& reward delay, 3969
paired associate, generalization, 8521(a)
& reminiscence, 2231
perceptual, & age, 2364
judgment, 5390, 6935
visually dominant cues, 2232
physical education, practice distribution, 8998(a)
place, analysis of, 7188(a)
practice, distribution, change effects, 395
shifts, 7177, 8512
& transfer, 5592
& secondary reinforcement, 7173
primary vs. secondary reward, 1734(t), 7163
prior, & inhibition & facilitation, 7130
& projective production, 3468(t)
prose, retention, 507
psychomotor, factor analysis, 7144
& psychopathology, 2227
psychotherapy &, 1081
punishment, & avoidance hypothesis, 7141
in non-correction situation, 8538(a)
theory, 528
pursuit, bilateral, reminiscence, 7178
transfer, 3858
errors & practice, 469
rotor, bilateral reminiscence, 8539(a)
recall, & task success, 5673
reconditioning rate, & extinction, 7156(a)
reinforcement, (See Reinforcement)
remedial instruction, 1462
response, chain, & extinction, 1750(t)
strength, & cue differences, 8543(a)
drive factors, 474
retention, set & incidental, 2302
review (1953), 5636
reward, primary vs. secondary, 1734(t)
value, non-repeated stimulus, 1745(t)
rote, anxiety &, 504
audience influence, 496
intralist similarity, 530, 531
practice distribution, 3983(a)
vs. understanding, 7155
school, art, methods, 6509
& audio-visual aids, 1482
classroom practices, 3518(a)
directed, arithmetic, 8989
dynamic principles, 3202
experience centered, 4814
factor analysis, 1496
factors in, 512
films in, 6519
& note taking, 4810
improvement in, 4857
materials & learner, 7955
method, student evaluation, 3186
& motivation, 8059
product ratings, 5634
reading, 6502
reinforcement & practice distribution, 3184
& remembering, 1465
speech in, 7976(a)
teaching-testing procedures, 4946
textbook, 3180
verbal reinforcement, 1460, 4845
visual aids, 1488
& scientific enterprise, 3498
serial, practice distribution, 3999
secondary reinforcement, 4001(a)
set, & transfer suppression, 515
shorthand, 7971(a)
sign-gestalt theory, neural model, 7174
social, need constructs, 8627(a)
perception, 6936
rat, 5638
theory, 3996
stimulus, generalization, 5624
variability, theory, 3940
stochastic model, 5597
stress, & anxiety, 3938
stylus maze, & frame of reference, 5637
success & failure, memory of, 7147(a)
swimming, rates, 8991
symbolic reward, 7180(a)
-teaching, process, 7940
theory, research, 4803
textbook, readings, 5635
theory, & abnormal fixations, 4003
brain analogy, 3933
& culture, 4120
& disease, 2814
drive reduction, critique, 3950
& education, textbook, 8995
evaluation, 525
expectancy, 3971
historical origins, 8519
Hull vs. Guthrie, 2237
& inverse probability, 5591
peripheral vs. central, 3977
& personality, 4040
in psychological training, 5319(b)
& psychotherapy, 6107
purpose &, 3975
review, 57
& social psychology, 4140
stimulus intensity construct, 7164
transposition, 3987
vicarious trial & error, 3919
what is learned, 3993
transposition, & adaptation theory, 3958
theory, 3947, 3957
traumatic avoidance, 2233
trial-error, practice distribution, 490
two-factor theory, 1047
verbal, backward association, 5606
& information theory, 3979
instructions & imagery, 8527(a)
intra- vs. interlist, 502
intralist similarity, 2235
negative transfer, 3980
partial reinforcement, 7160(a)
reasoning, practice distribution, 7181
sexual words, 2222(a)
stimulus context & generalization, 7175(a)
synonyms & antonyms, 5611
visual tracking, 5618
vocabulary, & film presentation, 3207
water maze, pre-immersion, 5625
(See also Law of effect)
Leathercraft, worker, test battery, 3337
Legibility, & letter size, 5059
& stroke width, 3752
white letters, on block, 5072
Leisure, activities, workers in college, 4878
young child, 2350
& television, 5967
Lepidochitona Cinereus, orientation, behavior factors, 5532(a)
Leprosy, sulphones, & psychotic disturbance, 6922
L'Étranger, psychoanalysis, 572
Letter, identification, & sequence, 7459
legibility, & size, 5059
stroke width, & legibility, 3752
Leucocyte, & emotion, 3690
Leucotomy, epilepsy, case, 4756
manic depressive psychosis, 3035
& personality, 6132
in schizophrenia & psychoneurosis, 6356
Level of abstraction index, group discussion, 8616(a)
Levy Movement Test, vs. Rorschach, 2809
Lewin, K., & J. Dewey, psychologies of, 8960(a)
educational psychology, 8959(a)
& Moreno, J. L., 181
psychological contributions, 180
Liberty, as psychosocial problem, 5937
Libido, theory, & biopsychology, 5147
Librarian, as counselor, 9031
Library, college, counseling by, 9032
personnel administration, bibliography, 6618
Lichtenberg, G. C., & Freud, S., 6848
Lie detector, behavior symptoms, 6314
in police psychiatry, 7789
projection of indicator, 5196
Life, nature of, 3488
Light, beam, locust behavior in, 5404
flashing, central factors, 7042
signals, steady vs. flashing, 3401
sources, & color, 7023(b)
Lighting, improvement of, 8258
industrial, & personnel problems, 8255
interior, visual design, 6680
& visual fatigue, 5061
in work spaces, 8265
Linear operator, Buch, comment, 3561
Linguistic Aptitude Test, 1560
Linguistics, in America, 5947
field theory, 5942, 5966
& psychology, 866
Linneaus, C., personality of, 5085
Lissajous figure, feebleminded perception, 8820
Listening, comprehension, & speech variables, 4257
tests, 3193(a), 7447(a)
training, 7957
critical, & propaganda, 7460
film narration, & learning, 8986(a)
improvement, elementary school, 8688(a)
& literature, 4067
research in, 4816
training, college, 7451(a)
& reading, 7961
two-channel, 5968
& vocabulary growth, 6525
Literacy training, adult, bibliography, 7969
Literature, appreciation, & reading ability, 6517
dramatic, & audience, 4067
German, & sado-masochism, 587
high school, & personal factors, 4811(a)
imagery in, 4008
non-fiction, reading choice trends, 6481
& psychopathology, 5697
sociology of, 840
writer's fear, & psychoanalysis, 4062
Lithuanian, acculturation, in U. S., 2421(a)
Lloyd Morgan's canon, 6760
Lobectomy, & discrimination learning, 516
& psychomotor epilepsy, 1405
Lobotomy, in child behavior problems, 1108
in epilepsy, 6428
evaluation, experimental design, 1026
hazards, 2725(a)
& learning, 1717(t)
mesencephalotomy, for pain, 322
& morphine abstinence syndrome, 7761
neuropathology following, 2005
& personality, total, 6129
& phantom limb, 6407(a)
post-, amnestic syndrome, 3130
intelligence, 1346
prognosis rating, 1009
psychological changes after, 4468
in psychopaths, 2898
in psychosis, results, 7804
psychotics, results, 6375
& rehabilitation, 1062
schizophrenic twin, 4641
social adjustment following, 4649
& Wechsler test score changes, 2744
Locust, behavior in light beam, 5404
Logic, linguistics of, collection, 6
mathematical, 1814
& scientific method, 86
Logotherapy, 1008, 2708
Loneliness, cause & nature, 2905
problems, modern society, 2947
Looking at Groups, viscidity measure, 4166
Lottery, psychological-mathematical probabilities, 147
Love, deeper motive in, 5577(b)
etymology, 3913
& family tension, 818
& friendship, 809
of God, 783
lacking, & religion, 822
of mankind, 454
medial temporal, psychosis, 1340
origin of, 459
& personal adjustment, 462, 3904
& personality, 456
purposes & values, 451
romantic, factors in, 8504
psychoanalysis, 448
& sex behavior, 447, 450
& social problems, 461
torture theory, Proust, 4056
types of, collection, 458
Loyalty, in leadership, 4135
Luckey, B., portrait, 4543
Luminance, threshold, & dark adaptation, 2061
Luneberg theory, visual space, 3756
Lupus erythematorus, psychological factors, 4706(a)
Lüscher Test, manual, 7523
Lying, & crime, 6241(b)
in hypnosis, 2590
Lyrurus tetrix, mating behavior, 5521
Lysergic acid, psychological effects, 1219, 5341

MacAdam vs. Adams-Nickerson, indexes of color difference, 2088
McCord, C. P., obituary, 3637
McDougall, W., Marxist critique, 8335
Machine, computer, training manual, 8314
computing, operator, efficiency measures, 5011(a)
test processing, 6800
for testing problems, 6817

man, adaptation to, 8346
identification with, 2411
punched card, AGO test analysis, 6797
service bureaus, 6769
test, scoring, 6809
validation, 3568
tabulating, training, achievement, 8165
test scoring, requirements, 6796
McHugh Inventory, & marriage satisfaction, 8678(a)
McKinney Reporting Test, scoring methods, 1705(t)
Magazine, readership, old age, 663
Magic, & phenomenology, 3516
psychopathology of, 1134
Maine de Biran, & personalism, 1810
self in, 1938
Makarenko, A. S., personality psychology, 5284
Maladjustment, & muscular tension, 7230
& self concepts, 932
& success & failure, 4316(a)
Malingering, as personality disorder, 2945
psychopathology of, 6230
visual, testing, 2054
Man, anthropo-biological theory, 5161
biological extinction, 1798
genesis, psychoanalysis, 1817
natural, nature of, 6279
organic, & social aspects, 1619
Management, conference leader, 8117
employee communication, evaluation, 9093
human factors in, 8119
-labor, communication, 9659
oral, 8210
& motivation, 9073
organization, & human relations, 8218
& professional employee, 8270
scientific, applications, 8205
human relations in, 3375
-supervisory relations, 8315
Mandrake, in mental disorder treatment, 6181
Mania, & health, 7679
Manic-depressive psychosis, & brain injury, 7913
diagnosis & etiology, 3041
leucotomy in, 3035
manic, language behavior, 1338
reorganizations, 4636
social & genetic factors, 3034
textbook, 6344
Manifest Anxiety Test, age & sex differences, 8714(a)
inter-test validity, 8722
Manipulation, ability, measures of, 5569
Manpower, human resources, project, 3325
& illiteracy, 3174
military, & psychiatry, 6616
scientific, collection, 5090
problems, 228
supply of, 5099
younger scholars, 3441
(See also Talent)
Manual, ability, tests for, 8467
Map, aerial, visual tasks in, 3417
reading ability, test for, 1581
Marbe, K., obituary, 5289
Marihuana, using, learning, 4552
Marine Corps, officer, Rorschach profiles, 6770
Marine larvae, gregariousness in, 5527(a)
Marine organism, noises by, 2170
Maritime Psychological Association, constitution, 161
Market research, matched samples, method, 5853
mathematics in, 6707
Marketing, research, sampling & experiment design, 5082
Markov process, finite, in psychology, 3574, 3585
Marksmanship, psychological problems, review, 9115
Markuszewicsa, R.; psychological theories, 8286
Marriage, adjustment, & family interests, 725
industrial workers, 8665(a)
Negro, 2522
& parental home discipline, 4251
age, & divorce, 4234
attitudes, & adjustment, India, 7432
American, 5914
high school students, 8029(a)
clinic, group therapy in, 8693(a)
& confidence sharing, 786
counseling, advice column, 7422
casework in, 2603
couple analysis, MMPI, 8706(a)
family agency in, 2598
first interview, 4318
course, effectiveness, 7972
teacher-counselor, 5986
failure, causes, 7439
& family, textbook, 2531, 5903
happiness, & children's attitudes, 4247
husband & wife roles, 4224(a)
inter-, 816
& kinship, Africa, 5890
mate selection, & parents, 4245
& rentals, 8679(a)
neurotic relationships, 8663
partners, psychoanalysis of, 2745
personality expression in, 4232
plural, & adjustment, 7389(a)
problems, clinical, psychology, 8702
study, 4310
legal management, 7435
& psychosis, 6361
readings, textbook, 7426
relationships, dynamics, 5933
residential propinquity, 815
roles, college women attitudes, 4679(a)
satisfaction, & McHugh Inventory scores, 8676(a)
status, & mental illness, 6332
& migration, 5915
success, urban population, 5934
tensions, dynamics, 4309
textbook, 797, 814
wit, social function, 7428
Marxism, critique of W. McDougall, 8335
& psychological theory, 3533
& psychology of adolescence, 8578
& sociometry, 5866(b)
& work productivity theories, 9104
Masiiid, in psychosis, 7824
Masochism, as adaptational method, 4553
psychoanalysis, 2922
Mastectomy, & psychological invalidism, 7855(a)
Masturbation, & cremasteric reflex, 431
in feebleminded, treatment, 8824
in latency period, 7711
Mate, selection, & mass communication, India, 8667
Mathematician, psychoanalysis, 3444
Mathematics, advanced, achievement prediction, 3209
child's concepts, 5749
college, achievement, factors, 3210
history of, psychology & culture, 5124
& number ability, factor analysis, 7210
teaching, school, problems, 4868
thinking, of adolescents, 620
thought processes, 7200
training, & intelligence test scores, 9048
for psychology, 5301
Mating, behavior, black grouse, 5521
chaffinch, 409
& early experience, rat, 3873
male starling, 8466
Talidridae, 5568(a)
habits, mosquito, 8491
response, & experience, rat, 2154(a)
Matrices Test, old age performance, 4101
Matrix, inversion, errors in, 1865
rearranging, method, 1869
transformations, Jacobians of, 3600
Matrix Test, Belgian Army norms, 4999
Maturity, & emotional color association, 7124
Maze, runner, mechanical model, 6757
Mead, G. H., biography, 5293
Meal worm, reactive inhibition, 485
Mean, estimation, two-stage sample, 5231
weighted, variance of, 1890, 6779
Meaning, concept of, 1814
familiarity relationship, 2199, 4017
scale, & verbal association, 506
-symbol relations, 64
Measurement, psychological, research training, 6864
theory, & mathematical models, 6289
Mechanic, airplane, pre-flight check list, 5073
Mechanical, comprehension test, 3359
skill, fine, selection, 5004
troubleshooting, interruption effects, 3398
Mechanism, defense, King David's anger, 8842
Mecholyl, blood pressure, & abstraction, schizophrenia, 7831
Medicine, cancer achievement test, 1674
dictionary, 152
internal, hypnosis in, 2762
& personality psychology, 5094
practice, personal problems, 5088
psychophysiological basis, 5093(a)
psychosomatics in, 3086
projective techniques in, 2614
psychoanalysis, influence, 5089
psychological training in, 223
& psychology, France, 6875
public relations in, 1684
regulation concept in, 80
school, psychology in, 8343
success prediction, 9046
socialized, attitudes toward, 6713
student, achievement, & age, 9119
MMPI scores, 3445, 3446
teaching, psychological problems, 1145
Medulla, activity, & spinal cord stimulation, 8379
reversal, amblystoma, & adjustments, 6901
Megalomania, psychoanalysis, theory, 4664
Melancholia, involutional, anxiety, & electroshock, 4648
etiology, 6334
Rorschach in, 6355
psychoanalysis, case, 4690
Melody, haunting, psychoanalysis, 5585
interval, affective value, 7243
Melville, H., psychoanalysis, 589
Memory, auditory, digit test, 4334
& eye muscle balance 7125(a)
as biological function, 2226
of childhood & projective material, 910
circuit storage vs. trace models, 7172
in epilepsy, 6424
first recollections, 1159
group vs. individual, 511
& hypothalamus injury, 7902
identification, dot patterns, 8398
impairment, & Archimedes after effect, 4325
individual & collective, 7334
musical, mechanisms, 465(a)
& personality, 638
physiological basis of, 8551
sentences, & deafness, 3148
& simulated recall, 7140
span, & anxiety, 4365
as subjective phenomenon, 7110
of success & failure, 7147(a)
& 3-dimensional perception, 3827
tonal, atypical, 389
trace theory, 2215
visual, & generalization, 2207
Wechsler scores & IQ, 6042
Ménière's disease, psychosomatics, 1387
Meningitis, aseptic, psychogenic, case, 6426
compulsion syndrome, case, 7863
Menninger, C. F., biography, 6851, 6852
Menninger Foundation, report (1953), 5260
Menomini, culture, inhibited drives, 771
peyotism, individual variation, 829
Menorah, psychoanalysis, 784, 7411
Menstruation, dysfunction, psychogenic case, 3083
pre-, depression, case, 7754
tension, factors, 3084
symptoms, 1398
& vestibular functions, 2143
Mental, activity, physiological changes, 5347
age vs. grade placement, 6596(b)
deterioration, in old age, 2376
development, & nutrition, infant, 602
efficiency, Pervitin effects, 1962
function, & cybernetics, 3532
& EEG, 2003
health, characteristics of, 4202
& communication, 4279
conditions of, 4300
in Near East, 7485
& sex behavior, 834
World Federation, 3623
impairment, & electroshock therapy, 7608
retardation, physical factors, 6215
work, & cardiac output, 5335
physiological concomitants, 3689
Mental deficiency, care & training, 4543
child, social responsibility, 6209(b)
sociometric stability, 4548
& clinical psychology, 8702
education, 2668
review, 8046
textbook, 6218
& therapy, case, 4541
finger painting, 9017
glutamic acid in, 7686
group psychotherapy with, 8614(a)
& National Health Service Act, England, 6214
prevalence of, 8827
research suggestions, 1195
speech correction with, 6283
Mental disorders, age, & EEG, 7673
& attitude toward Air Force, 944
borderline states, 1153
& childhood experiences, 6188
& conscience, theory, 2832
convalescence, laymen in, 6135
& criminals, 8871
dance therapy, 7620
educational therapy, in hospital, 8787
EEG in, 8793
review, 1151
emotional maturity, 7829
environment, evaluation, 6124

epidemiology of, 1135
exhaustion from, treatment, 8889
experimentally produced, 6185(a)
figure-ground inversion, 912
films, review, 1172
follow-up care, 4483
frequency, Negro slaves, 2837
in general hospital, 7682
group screening method, 915
heredity, textbook, 6187
histamine therapy, 2755
hospital admission, voluntary, 1086
hospitalization duration, 7662
& hypoparathyroidism, 3713
incidence, African natives, 4187
Chinese culture, 6202
industrial rehabilitation, 4487
& love, 461
Mandrake, in treatment, 6181
& marital status, 6332
medical student attitudes, 4521
mobility, & coordination, 4510
rates, factors, 8807
& murder, 2967
narcophotic stimulation, 2834(a)
& national origin, 8802
Negroes, incidence, 4519
& occupation, 7664
order/disorder, 6186
pain, response to, 8794
patient, air transport, 8806
leisure-time activities, 6360
resources, 914
vocational rehabilitation, 7572
perception, & dominance, 1696(t)
photic stimulation, 8800
& population density, 2822
post-institutional, intelligence, 7816
prejudices toward, 2830
prognosis, tests in, 2695
prognostic criteria, 3017
psychologist in, 1158
& psychomotor deficiencies, 8797
rehabilitation, 8897
money in, 3018
research, state programs, 2560
Runner-Seaver Personality Questionnaire, 3479(t)
& selective recall, 5110(t)
social, acceptance of, 2815
class, 1125
stratification, 1146
structure, 2839
strangeness-state, 1222
taxonomy of, 7670
in twins, 6196
vocational, adjustment, 7658
interest patterns, 1777(t)
ward recreation, 7610
Mental health, & adjustment, Germany, 2559
& physical, concept, 4297
Mental hospital, activity treatment program, 4480
administration, in group therapy, 6082
administrative services, 4406
bed ratio, to population, 8808
for children, 1104
unit, 2793
clinical psychology in, 1156
communication difficulties in, 8878
educational therapy in, 8757
employee prejudices, 2830
first admission, cohort studies, 7662
group psychotherapy in, 4418
Hillside, history, 6194
mental tests in, 2591
nurses' attitudes, 2985
occupational therapy in, 2776
officials, characteristics, 8801
patient's evaluation, 2824, 2847
personnel, & psychiatric theory, 8805
psychiatric social worker in, 2825
psychologists, administrative, 6860
receiving, patient types, 7663
rehabilitation program, 8897
social work students, research in, 5903
staff training, 4414, 4512, 4524
therapeutic community in, 2724
Virginia, history, 7667
vocational rehabilitation in, 8758
voluntary, admission, 1086
group psychotherapy in, 7609
ward nurse, influence, 6372
socializing role, 7610
Mental hygiene, in adolescence, 5711
agencies, France, 7486
atomic energy industry, 6615
in biology, 3185
& camping, 618
child, care, 5720
experience, 5991
textbook, 2788
& church, 5990
& civil defense, 4159
& classroom social structure, 6533
clinic, administration, 2562
community functions, 8695
pre-school child, 2797
psychiatric social work, 922
rural, professional requirements, 2596
schools, 3272
college, group therapy, 4918
program, 9023
in communities, 896
community education, anxiety, 882
conference report, Germany, 5998
consultation, in schools, 6578
course for professional workers, 891
discussion group, YWCA, 2580
& education, 5978
& community, 2558
effectiveness, 2584
functions of, 2579
higher, 4289
public health nurse, 2581
review, 1451
survey methods, 2564
family, & father, 4214
role, 5726
films, list, 7483
& freedom concepts, 895
functions of, 881
in home, textbook, 7487
& immigrant adjustment, 5938
industrial program, 8216
in industry, 1606, 6851
& infant care, 2353
& international insecurity, 898
& loyalty programs, 5911
maturity & ontogenesis, 4284
old age, community program, 2381
planning, genetics in, 5984
popular textbook, 6177
of pregnancy, 7858
preventive, aims of, 4295
Rorschach in, 2588
problems, of Israel, 750
programs in, 2566
& psychoanalysis, 5667
& psychogenetic hypothesis, 8985
public planning, 7473
& religion, 7479
research, with children, 4292
problems, 6201
review, 5980
& self alienation, 8697
in Shanghai, 4529
& social acceptance, 6528
state programs, 2560
teacher training in, 3277, 3316
teachers' institute, 4299
teaching, to medical students, 2577
resistances, 887
textbook, 2574, 5989, 5995, 8698, 8701
training, of personnel, 2560
in schools, 7484
in Uruguay, 5987
Meperidine, addiction, EEG, 6272(a)
Mephenesin, in anxiety, 2890, 4562
Merit rating, communication of, 5021
employee attitudes, 3386
& industrial production, 1623
IPI Series, 8306
Mescalin, intoxication, behavior & EEG, 7719
Mesencephalotomy, & hearing, 392
Metabolism, pathology, in compulsive disorders, 3066
Metacontrast, 3747
Methamphetamine, & psychotherapy, 2769
Method, biological, & language, 1641
convergence, child development, 8579
experimental vs. psychoanalytic, 1823, 1835
personal data quantification, 6811(a)
standardization, by judges, 6755
Metrazol, in arteriosclerosis, 7828
Metridium, neural functions, 283
Mexico, voluntary association, participation, 4219
Meyer, A., portrait, 1053
Meyer, C. F., poet, adolescent handwriting, 4065
Microcephaly, genetics of, 1177
Microphone, search tube, in hearing research, 7073
subjective test, & side tone, 8450
Micropsia, psychoanalysis, 7736
Micturition, psychic control, 7985
Midwestern Psychological Association, proceedings (1953), 5261
Migraine, hypnotherapy, case, 6399
ocular, lens correction, 6261
vasospastic nature of, 4712
Migrant, urban, characteristics, 4240
Migration, of animals, 440
eel, light influence, 7093
& marital status, 5915
of older people, 5776
Military, delinquency, & service motivation, 6513
experience, & vocational choice, 8783
instructor, evaluation, 6603
manpower, & psychiatry, 6616
morale, 5622
officer selection, India, 6643(b)
organization, sociology, 2428
psychiatry, review (1952), 1141
psychology, Germany, 6666(b)
research types, 5056
situation test in, 6670(b)
psychophysical research, 3422
service, college student attitudes, 4893
stress sensitive tests, 7560
tests, sociometric & situation, 6669(b)
trainability, test of, 8190
training, sound films in, 1468
volunteer vs. draftee, 7796
Military Subjects Test, & combat performance, 8133
Miller Analogies Test, & rating, of psychologist, 227
Mimesis, 5520
Mind, blankness, nature of, 8502
-body problem, linguistic solution, 5177
logical analysis, 69
& neurology, 3505
& brain, 51, 295(a), 1978
physiology, 297
& cerebral cortex, 257
freedom of, & psychiatry, 3493
human, components, 1818
knowledge of another's, 3497
-matter, & meaning, 64
nature of, textbook, 77
Peirce, C. S., concept, 5647
as substance, & science, 5175
textbook, 534
understanding, & mechanisms, 79
Miner, coal, strikes, causes, 6665
drive analysis, Szondi, 5000
Minnesota Engineering Analogies Test, 1847
Minnesota Multiphasic Personality Inventory, & college, achievement, 3187
major, 4915
norms, 6057
student, norms, 969
vs. prisoner, 8719(a)
education, & sex differences, 4327
ego-strength scale, 6072
F minus K index, 6044
Hathaway-Meehl analysis method, 2633(a)
item subtlety, 2674
juvenile delinquency prediction, 2970
K scale, 4398
college women, 4973
M-F scores, & Draw-a-Person, 950
in marriage counseling, 8708(a)
Pd scale used alone, 7537
predictions from objective vs. clinical, 4362
profile classification, evaluation, 1760(t)
psychopathology changes, indicator, 2691
psychotherapy changes in, 6100
readability, 8729
sex response differentials, 937
therapy, effects, 1075
test-retest stability, 2669
vs. California E-F Scale, 6011
vs. Kuder Preference Record, 2636(a)
vs. personality rating, 2639
vs. Wechsler scores, 6063
women's profiles, interpretation, 7507(a)
Minnesota Rate of Manipulation Test, with time limit, 7520
Minnesota Revised Occupational Rating Scale, revised, 9074
Minnesota Teacher Attitude Inventory, factor analysis, 9052(a)
scores, & instructional sets, 4968
in teacher selection, 3305
validity, 1584
Minorities, textbook, 789
Minority, consciousness, 5874(b)
group, attitude changing, 2503
belonging, & personality, 5891
& counseling services, 2570
fraternity admission, 4882(a)
group psychotherapy, 4475
& negative stereotypes, 7399(a)
problems, & sociodrama, 4206
psychoanalysis &, 988
& religious instruction in schools, 4826
socio-political problem, 5895
Mira Psychodiagnostic, use in Turkey, 4394
Miracle of Milan, psychoanalysis, 4061

Mirror, distorting, 3552
Mirror drawing, behavior, & personality, 586
test, & electroshock therapy, 3037
Mirror phantom, 4739
Mirror vision, performance, & handedness, 3952
Mithraism, psychoanalysis, 7420
Mode, approximating, from weighted mean, 131
Mongolism, blood types, 1189
child development, 1182
exogenous factors in, 2853
factors in, 4842
high intelligence, cases, 8826
with normal intelligence, case, 4532
temperamental traits, 6206
in twins, 4547
Monkey, curiosity in, 7111
handedness, 5562
neurosis in, 3060
& psychosis in, 7675
visual discrimination learning, 2209
Mononucleosis, infectious, psychic concomitants, 6409
Monotony, & alertness indicator, 6685
Montessori, M., educational theories, 1918
Mood, pathology, dynamics, 6240
Moodiness, nature & management, 7740
Mooney Problem Checklist, validity, 6577
Moosehaven, 5763, 5773
Moral, judgment, nature of, 697
Morale, & complaints, airmen, 3373
employee, building, 8197
institutional, 7692
polling, 5048
group, & individual motivation, 810
indoctrination, Air Force, 5048
industrial, socio-psychological factors, 6648
industry, & group size, 1637
military, 7706
motivation, industry, 5049
nature of, 5822
in organized groups, 831
small group, & communication, 3437(a)
of soldier, 3383
worker, & human relations, 8208
Morality, & aggression, 7358
Morals, development, Piaget's theory critique, 7286
training, child, method, 7256
Moreno, J. L., & group dynamics, 3642
& Lewin, K., 181
Moron, cultural etiology, 7691
Morphine, abstinence syndrome, & lobotomy, 7761
Morse Code, learning, & discrimination, 3961
Mosaic Test, & ability evaluation, 6065
English vs. American children, 2805
history & administration, 2651
Israel youth responses, 2630
review, 6065
Mosquito, mating habits, in laboratory, 8491
reaction to CO_2, 6948
Mother, attitude, & child guidance, 2778
& delayed speech, 4611(a)
first & second child, 8594
& girl behavior, 5732
& pregnancy, 3109
& schizophrenia, 3010
behavior, & child aggression, 2347
& child personality, 2336
measures, 1765(t)
& nursery school adjustment, 7278(a)
child, care, & intelligence, 5703
relations, & abortion, 8583
separation effects, 604
treatment, atypical, case, 6239
dependency, & schizophrenia, 6331
emotional problem, & retarded child, 1198
infant response to, 7287
rejection, in eye disease, 6445
unmarried, textbook, 7440
Motility, & nervous pathways, 3704
Motion, apparent, perception of, 7020
& personality, 2129
study, apparatus, 8244
of sailor's jobs, 1655
voluntary, & EEG, 424
Motion sickness, drug effects, 3862
drugs, & work output, 2177
& pilot error, 6675
prevention, drugs for, 3981
& rotary visual field, 5503
in seaway, dynamics, 7102
Motivation, achievement, & self concept, 7226(a)
test measure, 4378
aviation, students, 8108
training, 4995
& barbiturate intoxication, 4673
bases, of attitude change, 7232
& biological drives, 4046
& child independence training, 4100(a)
& conflict, rat, 2189(a)
& criminology, 6295
fatigue, 5546
fear, & visual discrimination, 8524(a)
human, measuring, 4375
relations, 9100
individual, & group morale, 810
inducing techniques, & learning, 8547(a)
& language, 7463
learned, 3986
in learning, theory, 70
level, & differential reinforcement, 7179(a)
& management, 9073
& morale, industry, 5049
& neurotic behavior, 6382
& perception, 3734, 5401
physiology of, 7127
& practice distribution, pursuit, 2203
psychopathologic, & socially useful behavior, 8497
in remedial reading, 4829
& school learning, 8059
sex differences, 4372
in social behavior, 5828
stress, & growth, rat, 5536
study of, value, 5580
submarine personnel, 3353
system, & personality, 5679
terminology, 8323
& test results, supervisors, 3330
theory, 24
collection, 5574
& measurement, 5581
Motive, attitudinal, scale for, 6017
Motor, ability, apparatus tests, 5510
& body type, 3860(a)
development, child, 7279(a)
gross, tests, review, 5556
initial, & learning, 5629
test for, 405
activity, of athletes, 2172
& autokinesis, 5391
& epilepsy, 4736(a)
& motion perception, 5396
from music, 8589
& speech intelligibility, 5975
acts, speed, & auditory intensity, 2169
-affective psychology, & values, 5170
aptitude, factor analysis, 3360
deficits, & spinal cord function, 8385
dynamic balance, adolescents, 4103
end-plate, ultrastructure, 258
fitness, & somatotype, women, 8485
tests, comparison, 8466
inhibition, & Rorschach M responses, 2656
learning (See Learning, motor)
loss, & non-neural injuries, 3127
-perceptual, tasks, & fatigue, 5547
information transfer, 7449
task length, 7168
performance, & click reinforcement, 7100
& color shock, 413
& induced tension, 5619
intellectual factors, 3095
kinesthesis in, 2160
performance, & learning, 428
& X-irradiation, 8477
perseveration, 5502(b)
primary, & behavior development, 5491
psycho-, ability, tapping, 7101
tests, review, 2163
deficiencies, & mental disorder, 8797
development, & static reaction, 7103
learning & practice distribution, 513
task, factor analysis, 2161
transfer, 486
reaction, complex, test, 9077
response, & brain transplantation, 5357
drug effects, 6890
rate, & rest, 3855
responses, simultaneous, 1967
restraint, in illness, 6392
rhythm test, 3848
skill, & advanced information, 8532
bibliography, 2153, 5485
bowling, teaching, 3229
long time retention, 3960
& piano instruction, 2156
& relaxation training, 8525(a)
research, Germany, 3849
& somatotypes, 437
task, & signal frequency, 8469
spectral analysis, 1852
transfer of training, 2231
& weight training, 3981
task, component activities, 8464
factor analysis, 2162
performance, failure &, 426
transfer effect, & response similarity, 3953
voluntary activity, performance, 233
Mouse, behavior inheritance, 5351
defeat & non-adaptive behavior, 2444
distance perception, 3781
food intake, & air temperature, 3886
lethal mutation, new, 236
social behavior development, 4161
strains, audiogenic seizures, 398
waltzing, auditory pathway, 6918(a)
Movement, apparent, after-effects, 3791
continuous stimulation, 3759
curved, perception, 2080
perception, tunnel effect, 2063
physiological mechanism, 3803
automaticized, of hand, 2173
behavior, & proprioceptors, 304
components, dimensional analysis, 5550
control, & kinesthetic feedback, 8242
gamma, factors in, 2050
involuntary, & barbiturates, 5328
& psychomotor activity, 7080
Pavlovian theory, 3888
perception, direction illusion, 6966
Gestalt theory, 1816
& motor activity, 5396
& retinal traces, 3802
seen, & after effect, 8422
speed, & emotional tension, 411
& reaction time, 5549
& visibility, 3809
voluntary, & cerebral cortex, 5368
& induced tension, 8484(a)
& psychological time, 5545(b)
Mugil cephalus, conditioning, 493
Mule, horse-, group, sociograms, 5786(b)
Müller-Urban weights, 5192
Multi-Dimensional Analysis of psychotherapy interview, 1761 (t)
Multiple sclerosis, & dementia, case, 8423
depression in, 4767
Muncie, W., portrait, 167
Murder, by adolescents, case, 4627
in Ceylon, 775
& Indian caste behavior, case, 4617
& mental disorder, 2967
social & personal characteristics, 2969
woman instigated, 2977
Mus musculus, distance perception, 3781
Muscle, action potential, & neural lesion, 5331
activity, induced tension effect, 8484(a)
after contraction, inhibition of, 8363
biochemistry, 246
coordination, & barbiturate intoxication, 4573
exertion, & heart rate, 5348
eye, motor unit activity, 1960
gamma efferents, 8362
potential, & transfer of training, 8517(a)
& visual effort, 5461
skeletal, innervation, review, 1987
tension, & emotion, 4596
generalization & consistency, 1774(t)
& maladjustment, 7230
response, to paired tones, 7106
set, development, 6881(a)
& success, 7120(a)
tonus, & prolonged vibration, 1964
Music, ability, & mental & personality traits, 2291(a)
Augustine's theories, 594
chromatic scale, integral ratio, 7069
as communication, 1757(t)
effects on work, 5068
experience, physiological aspects, 585
India, psychological study, 7240
melodic octaves, & scale position, 8568
memory, mechanisms, 465(a)
test of, 7249
motor dynamic effects, 8569
notation test, 5201, 5692
play program, institutional child, 4093
preferences, & personality, 8495
psychoanalysis of, 597, 5690, 7242
psychology of, textbook, 590, 8571
in psychotherapy, 7593, 7607
rhythm, motor accompaniment, 8483
& performance, 600
schizophrenic children, 3030
singing, & syllable perception, 7239
test, sex differences, 955
in therapy, 933
textbook, 8705
Tutelo culture, 753
Musical Psychodiagnostic Test, 955
Musician, psychoanalysis, 3021
student, tonal memory, 389
Muskingum College, personnel services, 4921(a)
Mute, hearing, twins, 6460
Mutism, elective, factors in, 1274
management, 7765
voluntary, case, 1269
Myanesin, in anxiety, 1240
Myoclonic, threshold, in schizophrenia, 2988

Myoclonus, & cortical ablation, 1997
nocturnal, 4772
Myopia, development of, 8034
night, mechanism, 7001
in school child, & vacations, 8442
sex differences in, 3777
Myth, dream origins, 7407
psychoanalysis, 2498
roasted child, psychoanalysis, 2482
seal ancestor, psychoanalysis, 738
sky-earth, & cultures, 2490
Tantalus, psychoanalysis, 2200
Mythology, Prometheus-Zeno theme, 777
& psychoanalysis, review, 8636
Myxedema, intellectual function in, 3094

Nantes, people & culture, 2500
Narcoanalysis, critique, 7612
in diagnosis, & therapy, 6109
evaluation, 1021
forensic significance, 6103
reticence &, 903
Narcolepsy, nature, & treatment, 6417
Nation, submissiveness of, factors, 7430
National, attitudes, & child behavior, 4192
character, Finns, 4212
& psychotherapy, Italy, 6073
study methods, 4201
comparison, social attitudes, 5877
differences, Mosaic test, 2505
opinions, 5907
origin, & mental disorders, 8802
prejudices, German vs. American, 5898
National Science Foundation, report (1953), 6834
Nationalism, & human relations, 4248
& social communication, 5912
Nausea, & olfactory sensitivity, 2043
Navaho, level of aspiration of, 2473
Navigation, charts, evaluation, 3416
Navy, Aviation Cadet, selection, 1884
tests, readability, 9084
topographical orientation, 3344
vocational interests, 6151
aviation medicine, research, bibliography, 3492
leadership, petty officers, 698
Office of Research, student support, 8344
officer selection, personality tests, 6150
psychiatric problems, cost, 7666
psychology in, Great Britain, 6703
submarine personnel, characteristics, 3354
Necrology, of psychologists, 6830
Necrophilia, case, 2936, 7763
Need, physiological, & word perception, 3743
satisfaction, in work, 6663
Negro, anti-, attitude change, 727
in Armed Forces, 4207
attitudes, toward whites, 5892
boys, TAT responses, 5888
British Guiana, family, 830
child, articulatory defects, 4607(a)
behavioral development, 5736
college student, authoritarian ideology, 3481(t)
prejudices, 2475
vocational choice, 6535
colleges, guidance program, 9030(a)
contact syphilitics, & intelligence, 8929
emotional problem, & school segregation, 7400
frustration-aggression, 5880
high school, guidance programs, 9025(a)
student, problems, 1520
infant, motor development, 8610
intelligence, & culture, critique, 2485
test scores, 8659
job status, & education, 4209
labor leader, 5027
marriage adjustment, 2523
medical students, vocational interests, 8027
mental disease incidence, 4519
personality, & group identification, 1714(t)
& segregation, 4203
psychoneurosis in, 4701
resident, neighborhood reactions, 5894
rural, family limitation, 5899
self attitudes of, 5881
skin color response, child, 4085
slave, mental disorders, 2837
socioeconomic status, & test scores, 5884
status, & attitude toward, 701
in U. S., 4208
student attitudes toward, 2476
teacher trainee, competency, 1582
urban, social stratification, 3480
vs. white, doll play, fantasies, 2323
vocational choice & achievement, 4490
-white, children, Germany, 4239
relations, Chicago, 4197
savings differentials, 4205(a)
Neighborhood, rural, 628
Neighborliness, women's scale for, 4184
Neolalia, in psychosis, 4640
Nereis diversicolor, feeding habits, 5519(a)
Nerve, auditory, single fiber, impulses, 8459
classes, & pain, 2031
cochlear, afferent impulse, 292(a)
disorder, genetics, chicken, 4747
eighth, response to clicks, 289(a)
endings, & skin sensibility, 2027
impulse, nature of, 278
lesion, & muscle action potential, 5331
optic, & anxiety, 7726(a)
electrical responses, 3797
trauma, visual defect, 333
peripheral, electronic stimulator, 85
responses, to clicks, ear, 1740(t)
skeletal muscle, review, 1987
staining, with phthalocyanines, 8383
tract, efferent, cochlear, 3711
transmission, chemical phase, 3702
invertebrates, 3715
textbook, 5361
ultrasonic effects, 294
visual path, photic stimulation, 1994(a)
Nervous, activity, higher, critique, 8376
in old age, 8613
disease, chronic, rehabilitation, 8049
genetics, 8367
Nervous system, anatomy, textbook, 285
& anesthesia, 1981
auditory pathway, waltzing mouse, 6918(a)
autonomic, in conditioning, 2214
& CO_2 inhalation, 6920
& depression, 4705
review, 5376
in sleep, 3847
textbook, 1992
& bee symbolic dance, 4278
central, excitation & inhibition, 1799
functional, mechanisms, 293
reciprocal, inhibition, 286(a)
somatic functions, review, 1982
in chronic fear, 1999
conduction & excitation, review, 1993
electromagnetic, & electrostatic fields, 8370
elementary, function, theory, 283
excitation, & inhibition, 262
function, development, 3707
growth, & hormones, 5333
& hypoparathyroidism, 3713
intracellular potential recording, 298(a)
& motility, 3704
pain pathways, 6924
spinocerebellar tactile pathways, 6916
visceral functions, review, 2015
Neuritis, non-neural injury, 3127
optic, & visual field, 3424
Neuroanatomy, textbook, 3712, 5377
Neurocirculatory, reactions, & group stress, 3697
Neurology, anatomy, textbook, 272
annual review, 6199
clinical, & psychology, 6442
review, 6441
dissolution of function principle, 1413
& functional pathology, 1171
& mind-body problem, 3505
physiology of, textbook, 2813
& psychiatry, 2826
German, 4527
psychological function, localization, 5362
psychology, cybernetics, 8294
synthesis, 1815
research, history, & trends, 296
Soviet Pavlovianism, 2016
Neuromuscular, inhibition, child, 6899
transmission, drug effects, 6883
Neurone, drug action on, 5355
motor, response, & asphyxia, 1996
physiology, & brain action, 285
Neuropathology, mobility, & coordination, 4510
Pavlovian, 2842
& psychology, 8374
review, 1416
Neurophysiology, activating system, & psychology, 1995
comparative, textbook, 5382
& psychology, 8388
Soviet research, 282
subjective method, critique, 5383
textbook, 1978
Neurosis, experimental, animals, theory, 8907
dynamics, 3056
learning &, 4003
in monkey, 7675
& neurotic reaction, 4698
& perceptual defense, 4049
psycho-, & bio-, 3046
Neurotic behavior, definition of, 1039
theory, Mowrer, 1367
Neuroticism, fatigue, & sleep deprivation in, 3046
& galvanic skin response, 3051
New York State Psychiatric Institute, research program, 6189
New Zealand, occupations, social status, 744
Newspaper, philosophy of values, 5965
reading interests, adolescents, 3242
Newt, breathing behavior, 3891
Nicotine, & audiogenic seizures, 3868
& maze behavior, rat, 8520
poisoning, confusional state, 4559
Nicotinic acid, for depression, 1253
Nightmare, & fear, child, 7717
psychoanalysis of, 6264(b)
textbook, 4577
vs. enuresis, 1259
Night vision, myopia, 7001
sensitivity, 6971
training, 7032
Nisei, workers, evaluation, 4987
Nissl, F., biographic note, 6842
Noise, aircraft, hazard, reduction, 5065
problems, 3380
auditory efficiency in, 3830
effects, bibliography, 6995
hearing, temporary effects, 8452
threshold, 2147
helmet, evaluation, 3428
intensity discrimination, impaired ears, 3832
as latent communication, 2536
& mental work, 3910
& paced performance, 5494
performance in, & set, 418
speech, masking by, 7058
perception, 8456
susceptibility, & endolymphatic hydrops, 378
visual, & dot pattern recognition, 8399
voltage, amplitude distribution, 8460(a)
Nomograph, tetrachoric correlation, 3583
Non-learner, normal ability, case, 9012
Non-violence, methods, 4149
Norms, relevance of, 1896
Norway, forensic psychiatry in, 7671
Nosology, psychiatric, & stress, 8799
Novel, sales of, & content characteristics, 2296
Novel, symbol use in, 7250
Nuer, spirit, & social order, 4191
Number, ability, factor analysis, 7210
apprehension, & perceptual complexity, 4821
concept, child, development, 5733
concepts, of children, 8602
set, as measurement scale, 5232
Nuremberg, H., anniversary note, portrait, 6846
Nurse, attitudes, mental hospital, 2985
in care of feebleminded, 4538
general duty, attitudes, 1673
job satisfaction, & social system, 5086
mental hospital, influence, 6372
personality predictions, 4362
psychiatric, empathy, 5091
socializing role, 7810
psychology-sociology course, 1951
student, attitudes of, 1681
personality, 2639
reading improvement, 1494
selection, personality tests, 4950
in therapy team, 6106
vocational interests, 1679
Nursery school, adjustment, & maternal behavior, 7278(a)
counseling, & casework, 1543
family counseling in, 1539
psychoanalysis, 5756
Nursing, behavior, dog, 3883
capacity, & personality, 5095(a)
care, measures of, 1678
child, emotional problems, 2798
& psychology, 1395
leadership in, 1682
psychiatric, psychotherapy in, 4438
review, 998, 6076
teaching, method, 8013
textbook, 2829
race prejudice in, 746
social psychology of, 6106
teacher, student evaluation, 1680
vocational interests, 1626
Nutrition, & academic achievement, 3191(a)
& mental growth, infant, 602
psychology of, old age, 5779
reward, learning, 2206
Nystagmus, & acceleration, intensity & duration, 6983
miner's, oscillation frequency, 7009
optokinetic, apparatus, 7006(b)
pendular, 7025
positional, & postural vertigo, 7081
& radial acceleration, 2137
in schizophrenia, 4650(a)
slow, & head acceleration, 2081
& sodium amytal, 2103

Obesity, & anorexia, adolescent, case, 6239
children, psychogenic, 1226, 4727
etiology of, 3098

group psychotherapy, 3080
psychogenic, children, 3079, 3093
women, Draw-A-Person Test, 4713, 4716
Obituaries, Bingham, W. V., 170
Blitzsten, N. L., 1922
Brown, Wm., 1939
Bunker, H. A., 1936, 3624, 5297
Culpin, M., 1930
Dewey, J., 169
Horney, K., 164, 176, 1933
Hunter, T., 3627
Irvimey, M., 165
Kafka, G., 3636, 3646, 3647, 5291
Katz, D., 1932, 1936, 3639, 3644, 5274, 6849
Kite, E. S., 6837
Lalo, C., 3640
Lapicque, L., 3641
McCord, C. P., 3637
Marbe, K., 5289
Pauli, R. M., 5280
Pfister, O., 177
Pintner, R., 168
Ram, Para, 1917, 6840
Reymert, M. L., 5285
Róheim, G., 3650, 5275
Rubin, E., 3645
Sherrington, C. E., 173
Wiggers, H. A., 3635
Zulliger, H., 178
Object, relations, & aggression, 6267
relationships, 2369
Object Recognition Test, 7508
Objective, concept, definition, 83
Obscenity, psychoanalysis, 7467
Observation, booth, child behavior, 90
of children, method, 7268
of game, individual differences, 7343
observer's value system, 7309
scoring reliability, 5946
vs. interview, behavior measure, 1765(t)
Observer, multiple, hearing threshold, 3641
pairs, judgments & reinforcement, 7353
Obsession, case, 4685
in child, case, 7710
-compulsion, apperceptive distortion, 7218(a)
psychosexual, 4594
neurosis, ego in, 4688
personality characteristics, 1362
& theta rhythm, 1230
tunes, & stress, 2887
Obstetrics, hypnosis in, 2762
psychosomatics, textbook, 4729
Occupation, interest level, & status, 4496
survey, by class, 988
community, 1109
Occupational therapy, hospital staff training, 4524
for juvenile delinquents, 1232
mental, disorders, review, 6076
hospital, 2776, 4414
for nervous children, 2775
in psychiatry, review, 1092
O'Connor Block Test, paper & pencil version, 6047(a)
O'Connor Finger Dexterity Test, administration of, 3348, 5509
French form, 4344
Octopus, learning, discrimination, 1799
Odor, response to, housefly larva, 8401
sensitivity, & imagined differences, 8395
wild rat responses, 5384
Oedipus complex, abnormal, 7718
in Greek drama, 2292
manifest, girl, case, 7732
in matriarchal family, 5719
Oestrus, cycle, rat, 416
& photoperiodicity, ferret, 406
Offender, military, & moral, 7796
Officer, aptitude, non-intellectual tests, 9085
efficient, rating report, 4096
Okinawa, Cornell Index responses, 2483
Old age, ACTH, personality reactions, 5767
adjustment, & chronic illness, 2369
& church, leadership, 2373
membership, 2372
& day center attendance, 4104(a)
arteriosclerosis, & metrazol, 7828
attitudes toward, 2382, 5870
changing, 7323
& family, 5783
& behavior, review, 4102
care, individualizing, 5764
of parents, 5780
textbook, 5611
chronic illness, adjustment, 2368
clinical psychology, 8703
counseling needs, 680
county home, psychiatric problems, 5768
& crime, 6310
education, review, 4110
EEG in, 7231
ego, affect, 8613(a)
electroshock therapy in, 3023
employment, in industry, 7318
family, planning, 7322
relations in, 2362
group work with, 2366
guidance for, 7320
happiness, factors in, 4105
health, complaints in, 2384
magazine readership, 663
social factors in, 658
heart disease, & occupation, 2357
hemiplegic training, 1429
higher nervous activity in, 8613
home, admission conference, 5764
psychiatric selection, 2365
homes, adjustment in, 2365
intelligence, changes, 5657
Wechsler scores, 5775
Lamparter Test responses, 659
mental, deterioration, 2376
health, community program, 2381
patient, personality, 3484(t)
middle aged men, 7314
migration in, 5776
as minority group, 5761
Moosehaven home, 5773
nutrition, psychological factors, 5779
onset of, attitudes, 5782
opinion changes, 7372
perceptual learning in, 2364
productivity in, 661
psychiatric aspects, review, 8615
psychiatry, & adjustment, 668
psychoanalysis in, 2370
psychoanalytic therapy in, 1089
psychological, problems, 8614
values, 2367
psychosis, & EEG, 3007
management, 4651
psychosocial research, 2358
psychotherapy, brief, 2361
psychotics, Matrices performance, 4101
in rabbinical literature, 2360
reaction time in, 665
recreation programs, 2386
rehabilitation, & adjustment, 7319
& medical care, 669
workers, 5766
review, 667
senility, Wechsler scores, 2359
skin two-point perception, 2363
social, activities, & personal adjustment, 5763
program for, 5772
worker attitudes, 4109
socialization of, 5765
sociological definition, 2374
stereotypes of, 5781
& task complexity, performance, 7316
textbook, 5770
trailer park, adjustment, 5771
transference in, 7631
treatment, primitive peoples, 5774
Wechsler performance, 657
women, group psychotherapy, 4447
personality adjustment, 7315(a)
worker, difficulties, 5762
effective use, 2356
job efficiency, 2380
utilization, 4983
(See also Aging; Geriatrics; Gerontology; Psychosis, senile; Retirement)
Olfaction, receptors, rodent, 2032
sensitivity & nausea, 2043
(See also Smell)
Olfactometry, Elsberg, validity, 309
Omen, psychopathology of, 1124
Oneirics, textbook, 2827
Opera, Ruddigore, psychoanalysis, 2302
Operationism, in clinical psychology, 2587
philosophical assumptions, 60
philosophy, textbook, 5171
Operations research, effort & effect, 5224
mathematical methods in, 5223
random walk techniques, 5222
statistical techniques, 5204
Operator, human, in closed loop system, 6701
sewing machine, vision & production, 5015
Ophthalmologist, handwriting, analysis, 5087
Ophthalmology, American Journal, index, 1909
& psychosomatics, 7867
Opinion, change, & communication, 5953
communicator cues, 2542
delayed, & propaganda, 2554
at older age, 7373
review, 5797
formation, & collective behavior, 7337
& communication, 646, 4271
in crisis situation, 2523
group pressures &, 7361(a)
household, single respondent, 7384
measurement, textbook, 8655
poll, data analysis, 4183
interviewing, trends, 4173
on national leaders, 7427
public, actuality measure, 5858
& authoritarianism, 7429
national, 5907
questionnaire, attitude dimension, 4185(a)
readings, textbook, 2388
toward education, 4806
rural-urban differences, 789
survey, in civil litigation, 3447
employee, method, 5031
question pre-testing, 730
respondent forewarning, 731
vs. attitudes, 7386
on world organization, 8677
Opossum, catatonic-like symptoms, 7684
textbook, 407
Optics, & communication theory, 2067
theory, statistics, 2126
Optometer, infra-red, 1831
Optometry, tests, mathematical analysis, 5483
Optomotor, reaction, of beetle, 7107
Orality, defensive aspects, 6183
in hysterical personality, 6380
Rorschach measure, 6033
Orbeli, L. A., Pavlovian critique, 5268, 5278, 5292
& Pavlovian theory, 3685
Oreste, & Atrides genealogy, 579
psychobiography, 680
Organ, choice, basis of, 6400
selection, theories of, 7886
Organ of Corti, mechanical properties, 2130
Organization, dot, test of, 2111
formal, activity, factors, 4217(a)
interpersonal relations, 4137(a)
work relations, 5932(b)
special interest, membership, 4252
theories, testing, 1866(a)
Organizations, (See by name)
Orgasm, spontaneous, schizophrenia, 1333
Orientation, acoustic, oilbird, 3836
in animals, 2018
behavior, animals, 401
cardiac component, 397
bird, to sun, 3826
honeybee, & hive entrance, 5540
kinesthetic theory, 319
Lepidochitona cinereus, 5532(a)
in space, human, 6937
visual, 5473
terrain, factors, 7104
topographic, ability, 8496
aptitude, 3344
Orientive reaction, development, dog, 5559
Originality, measurement of, 5653
& objective examinations, 8084
Oscillatory effect, Ames, comment, 3783
Oscilloscope, for brightness discrimination, 6953
detectability & search area, 3391
simulated display, 8230
target detection, & light adaptation, 8231
Oxford University, psychology, 5310

P-technique, psychosomatic factors, 8585
in psychotherapy, 1036
Pacing, performance, & noise, 5494
Packaging, sales influence, 1665
Pain, aching, threshold & discrimination, 6938
cutaneous, chemical excitants, 3718
review, 5393
intensity, quantifying, 3721
intractable, psychosurgery, 1212
nature of, 313
nerve classes, 2031
nervous pathways, 6924
as neurotic symptom, 6386
phantom, psychotherapy, 8854
quantitative scaling, 3739
relief, mesencephalotomy, 322
response to, in mental disorders, 8794
sensitivity, & weather, 6926
threshold, & GSR, 6932
Paintal Index, 3866
Painting, Braque, analysis, 574
Cezanne, psychology, 4070
& early weaning, 2393
finger, values, 7648
free, pre-school child, 8581(a)
preference, & personal attitude, 1769(t)
as projective technique, 2682
prestige, & preferences, 5688
& psychotic personality, 4646
self-portraits, psychoanalysis, 4063
space metamorphosis, 7245
symbolism, psychoanalysis, 4060
transexion, 581
Paired comparison, judgments, inconsistency in, 5185
punch card method, 142

Panic, prevention, & group psychotherapy, 4153
reactions, in war, 700
theory of, 2402
Parahydroxypropiophenone, in psychosis, 3036
Paralysis, general, weight illusion, 4520
laryngeal, & speech intelligibility, 2540
in sleep, case, 8909
Paramecia, behavior variability, 8487(a)
Paranoia, Freudian theory, & Blacky Pictures, 2981
nonconvulsive electrostimulation, 8877
personality, TAT response, 1691(t)
psychoanalysis, case, 4661
Rorschach homosexual responses, 2982
states, & temporal lobe lesions, 4666
Paraphrenia, test performance in, 4655
Paraplegia, spasticity reduction, hypnosis, 4737(a)
suicide attempt, case, 3139
Parapsychology, coincidence & synchronicity, 5125
philosophical perspectives, 5134
textbook, 5137, 5588
trends, 2197
Parent, absence, & psychoneurosis, 1377
adequacy, criteria, 7277
& adolescent girl's behavior, 6160
affiliations, & juvenile delinquency, 6286
anniversary reactions in, 1226
attitudes, & child, behavior, 2794
mental health, 625
toward education, 8031
variations in, 7265
behavior, factor analysis, 4087
& infant crying, 7306
& cerebral palsy, 7911
& child, behavior problems, 6157
interaction, neurotic patterns, 1358
mate selection, 4245
relations, variables, 4075(a)
similarities, 1696(t)
& age, 7257
conception, & time perception, 3725
counseling, in mental defect, 2859
deprivation, & schizophrenia, case, 6370
disagreement, & child development, 2314
education, & group psychotherapy, 4235
& social caseworker, 2578
& educational aspiration, 4881
of feebleminded, counseling, 2858
group, guidance, 2861
therapy, 1179
guidance, & feeblemindedness, 6213
identification, of college students, 6529
older, & children, 7252
permissiveness, & child behavior, 4074
of pre-school child, counseling, 7637
& reading retardation, 7958(a)
relations, inconsistent, case, 6239
role, adolescents' concepts of, 4081(a)
teacher, attitudes, 4971
relations, 4799
therapy, child guidance, 6165
values, education, 7262
Paresis, ambiguous figure fluctuation, 3137
Bender Gestalt performance, 3024
general, terminal forms, 6418
Paresthesias, from codeine, schizophrenia, case, 1312
Paretics, critical flicker frequency, 7823
Parietal lobe, lesion & spatial agnosia, case, 7912
Parole, adjustment, factors, 4626(a)
prediction, discriminant function, 6868(a)
Paroxysmality, Szondi's concept, 6247
Parsons, T., bibliography, 8626
social behavior categories, 713
Passalong Test, 6032(b)
French use, 2655
Passive-dependence, EEG, 7733(a)
Passivity, & peptic ulcer, 4724
Pathology, psychophysiological determinants, 6406
Pattern, analysis, & configural scoring, 6799
dot, complexity, & memory identification, 6398
recognition, & noise, 8309
Pauli, R. M., obituary, 5280
Pavlov Conference, report of, 1157
Pavlov, I. P., biography, 5279, 8331
& Caucasian Medical Society, 8332
psychology, views of, 8330
social interests, 8329
speech by, 1921
at Tomsk University, 8327
Pavlovian theory, pathophysiology, 269
psychoneurosis, 1357
psychotherapy, 1051
Pavlovianism, Anokhin's errors, 1606
bibliography, 5121, 8287
child speech development, 8593
concepts, & Soviet research, 8293
& cortical inhibition, 5379
delirium tremens, theory, 8848
educational theory, 4801
& electronarcosis, 6117
feeblemindedness, theory, 8813
& hypertension, 8920
Malorov, attitude, 1930
movement theory, 3888
in neuroanatomy, 2016
neuropathology, 2842
& objective psychology, 8295
& perception psychology, 8400
physiology, Soviet decrees, 3685
psychiatry, 2821
& psychology, 1805
psychopathy, 3009
& psychosis, 6203(a)
& psychotherapy, 6147
Russian physiology, 8325
schizophrenia, 3009, 8905
Sechenov Society, 5345
sleep therapy theory, 8772
Soviet, critique of Ukraine, 1958
decrees, 1961, 5332
psychology, 8338
Speranskii attitude, 1938
Pavor nocturnus, & infantile trauma, 4523
Peace, problems in, 676
Pediatrics, & child mental health, 7635
Peer, acceptance, delinquent girls, 6329(b)
culture values, & socioeconomic status, 7298
judgments, & SRA Youth Inventory, 9026
status, & personality, school child, 1514
Peirce, C. S., interpretation of mind, 5647
Pellagra, psychosis, 4682
Penis, awe, vs. envy, 5155
Pentothal, catharsis, values, 4430
& shock therapy, schizophrenia, 1331
Perception, accentuation, antecedent conditions, 5105(t)
& action, 5400(b)
as adaptive process, 8397
ambiguous figure, in paresis, 3137
Ames oscillatory effect, 3783
analysis, Rorschach card, 4368
apparent, motion, 7020
& eye movement, 2082
movement & after effect, 329
body position, & head position, 6933
non-visual, 6934
Broad's theory, critique, 3728
closure, & culture, 2486
factors, 370
cognitive, in compulsives, 4699
color, adaptation effects, 2086
complex field, object location, 338
complexity, & number apprehension, 4821
& reaction time, 2179
consistency, & Rorschach, 4380
contour, visual, 3792, 3793
defense, & anxiety, 2266, 8837(a)
concept, 3733
& emotionality, 3719
& foreknowledge, 310
mechanism, 2283
& neurosis, 4049
deformations, factors, 319
& denial mechanism, 6250
depth, (See Depth perception)
development, child, 6012
motor hypothesis, 2232
differential, & learning rewards, 5594
disorders, textbook, 299
distance, area & intensity cues, 6994
in mice, 3781
& dominance, in mental disorders, 1698(t)
drug effects, 6890
of faces, & occupational stereotypes, 2040
familiar size, 3778
figural, & information, 6986
figure-ground inversion, 912, 1411
firmness judgments, 321
form, in autistic child, 7300
in dark adaptation, 2099
experiential factors, 8406
of gain, individual differences, 7342
& group pressures, 7361(a)
haptic, illusions in, 3613
& hunger need, 2033
incorrect, & information, 3760
interpersonal, of clinicians, 1012
discussion group, 1728(t)
& social interaction, 673
& value systems, 681
intersensory, & psychoanalysis, 6084
judgment, biased set, 3726
& learning, 5390, 6935
set & anchor point, 6939
kinesthetic, 308
& language system, 7446
line length & inclination, 2110
Lissajou figures, psychotics, 4668
Marxist theory, 3533
median plane, factors, 7040
object assymetry, 7038
motion, apparent, 364
motivational factors, 3734, 5401
movement, apparent, curved, 2080
tunnel effect, 2063
visual physiology, 3803
direction illusion, 6966
& motor activity, 5396
& retinal traces, 3802
numerosity, central factors, 7042
& object, relations, 1209
shape, & magnification, 7003
size, & distance, 5458
organization, & cognition, 2250
& creativity, 7204
development, 4082
proximity in, 301
& personality, 7223, 8586
integration, 7231
review, 554, 557, 2274
phenomenal causation, 2127
picture, chimpanzee, 5396
of postural vertical, 8394
& projective techniques, 6053
psychological, probability, 6926
training, 5319(b)
psychology, Pavlovianism, 8400
recognition, anxiety & defense, 1741(t)
& recall, 3451(t)
regression, in schizophrenia, 4650
research in, critique, 305
reversible perspective, & empathy, 5677
satiation, 3764
sensory-tonic field theory, 8405(a)
separate eyes, 5441
sex responsiveness, of sex offenders, 2917
shape, field force, 375
& tilt, 8433
size, child, & experience, 5444
& distance, 5457
& handedness, 3729
social determinants, 675
tactile & kinesthetic data, 3720
size-distance, & brightness, 5423
faces, 5465
invariance hypothesis, 3784
skin, in old age, 2363
social, & authoritarianism, 3443
blind adolescents, 3483(t)
conformance, 300
dynamics, 7354
ethnocentric factors, 1702(t)
factors, 2597
& group effectiveness, 5806
& identification, 7365
information bias, 4395
& interpersonal relations, 4131
learning, 6936
personality & set, 8630(a)
review, 5797
space, (See Space perception)
stereoscopic, & vertical disparity, 6996
structuralization, & brain pathology, 4762
symbol, sex differences, 5106(t)
of symbols, prediction, 453
& temporal lobe lesions, 5374
tests, factor analysis, 3735
threat-expectancy, influence, 5385
threshold, brain injury, 4732
as protective function, 1758(t)
time, & parent conceptions, 3725
& self organization, 5100(t)
training, & Rorschach performance, 7534
ultra stimulus, 5413
& value, critique, 3716
vertical, visual & proprioceptive, 2057
vigilance, psychoanalysis, 6928
visual, deaf child, 4768
extent, time errors, 1768(t)
length, time error, 348
minimum duration, 8429(b)
& shock therapy, 4679(a)
& social environment, 339
statokinetic factors, 344
3-dimension & memory, 3827
weight, & age, 317
Perceptual Reaction Test, 4330
Performance, bodily organs, patterns, 235
complex vs. simple, ratio, 8493(a)
& frustration, 2287
group, set & distraction, 2196
manual, & skin temperature, 314
& noise, set influence, 418
psychophysical, & intelligence, 4029(a)
quality, & frustration theory, 3901
spatial stimulus-response correspondence, 8482
speed vs. accuracy, 2166

Performance
Personnel (industrial)
task, & field brightness, 5432
Perimeter, right angle attachment, 8303
ultraviolet test object, 3083
Peritonitis, paroxysmal, hypnoanalysis, 7852
Perseveration, in epilepsy, 3140(a), 4770
group attitudes, 5804(b)
in language, measurement, 2660
motor, 5502(b)
& personality, 3660, 7223, 7236
Person-institution relations, 723
Personage Test, 973
Personal, data, quantification method, 6811(a)
distance, & personality, 8632
document, family pattern analysis, 700
Personal Values Inventory, validity, 966
Personalism, French, history, 1810
Personality, & abilities, quantitative & linguistic, 4043
& accident proneness, child, 628
& achievement, academic, 4020(a)
engineering student, 8970(a)
adjustment, curriculum &, 1453
adolescent girls, 4077
& after image duration, 2279(a)
& allergy, 8925(a)
alternating, EEG, case, 6351
& ambiguity, in cinema perception, 1767(t)
& apparent motion, 2129
assessment, projective techniques, 2643
& attitudinal intensity, 6719(t)
Aurobindo's theory, 6748
author, & parent loss, 2298
authoritarian, 7313
manifest anxiety, 8560
study technique, 7216
& birth season, 4045
bisexuality, 2929
& breast cancer, 8924(a)
change, college women, 6543
& frontal lobe injury, 8937
& leucotomy, 6133
characteristics, group responses, 8563(a)
& psychosomatics, 3081
child, & bilingualism, 8577(a)
factor structure, 2269
& family, 570
observer's value system, 7309
socialization in family, 585
training, & culture, 782
coaction analysis, Rorschach, 957
& cognitive, learning theory, 4040
theory, 4048, 4050
college student, & major field, 9004(a), 9008(a)
complexity-simplicity dimension, 2264
& congenital activity type, 7275
consistency, & projective tests, 8022
cultural influences, 2329
& culture, 7409
textbook, 7401
& determinism, 59
development, & child experience, 5991
childhood, 4091(a)
disturbances, 1155
& education, 3178
infants, 5725
reading &, 6507
review, 567
diagnosis, clinical skill, 3675(a)
& music preferences, 8495
self evaluation, 7531
differences, & ulcers, 4724
dimension, cluster analysis, 5117(t)
& disease, 4710
disorders, & size constancy, 916
dynamics, & ESP, 5682
& Einstellung rigidity, 7329
& elementary school, 3235
& engineering achievement, 3282(a)
examiner, & Rorschach scores, 2670
expression, in drawing, 5119(t)
& extreme response sets, 4330
& facial disfigurement, 3148
factor analysis, 7116
critique, 2262, 2272
& psychotherapy, 6119
factors, genetic, research design, 6775
family impact, 558
fantasy & picture ambiguity, 4367
formation, age mates in, 637
function, concepts, effects, 3494
genetic study, 5350
goal gradient concept, 7138
& group relations, 5795
& guessing test responses, 9044
healthy, characteristics, 5667, 5668
growth & crises, 7490
& hearing aid use, 3152
heredity & environment, 2267
homeostatic organization, 2848
impressions of, sex differences, 7233(a)
& independence, 2265
integration, in dreams, 5671
& perception, 7231
statistical method, 562
tests, & response set, 8506(a)
inventories, clinical use, 930
validity, 7513
inventory, Army, 7559
Japanese, psychoanalysis, critique, 2479
Jewish children, 2339
& job performance, 3465(t)
Junior Quiz, 7514
& language expression, 4042
& leaderless group discussion, 925
levels of response, 5792(b)
& lobotomy, 6129
& love, 456
measurement, factor analysis, 5670
memory &, 636
mirror drawing behavior, 566
modification, psychotherapy as, 2766
& minority group belonging, 5891
& motivational systems, 5679
multiple, case, 7757
& muscular tension, 7230
& need adjustment, 3520
needs, Q-technique, 5666
spiritual, 4033
Negro, & segregation, 4203
nomothetic vs. idiographic study, 5661
& occupational, choice, 4497
interests, 6171
older mental patients, 3484(t)
organization, Negro, & group identification, 1714(t)
orientation, as organizational focus, 7215
pathology, & verbal expression, 1160
& peer status, school child, 1514
& perception, 7223, 8566
review, 554, 557, 2274
& perseveration, 3660, 7228, 7236
person & character, 2263
& personal distance scores, 8632
Personal Value Inventory, 966
physiological vs. Rorschach, 2288
in poliomyelitis, 4738
& pre-menstrual tension, 3084
& professions, 8272
& psychic, determinism, 563
energy, 547
psychoanalytic theory, 540
psychology of, 5676
Makarenko, 5284
psychosomatic factors, P-technique, 8565
psychotics, & painting, 4846
Q technique, 140
ratings, factor analysis, 2741
& hypertension, 4708
teacher vs. student, 8014(a)
& reading, 3216
retardation, 7958(a), 8001
relationships, & speaker confidence, 7452(a)
& religious beliefs, 5102(t)
research, criteria in, 2286
review (1953), 5664
& school failure, 3238
self-evaluation, 2284
& set, in social perception, 8630(a)
shifts, in Rorschach & psychotherapy, 4432(a)
& skin disorders, 8921(a)
& social, acceptance, 8028(a)
attitudes, factors, 5665
class, 4231
development, bibliography, 2273
role conflicts, 2429
structure, 7339
& sociometric, choice, 6545, 7347
status, college student, 4886
Soviet theories, 1051
& speech intelligibility, 5684
structure, & EEG, 2974
factor analysis, 5669
study, data involved, 4041
observation method, 7268
& projective techniques, 6015
stylistics in study, 568
& suggestibility, 571
syndromes, & verbal behavior, 4306(a)
& temperament, factors, 4032
test, alcoholism, 4571
child, factor analysis, 7312
extreme position set, 2615
interest inventory as, 7510
item characteristics, 4037
psychological models &, 7211
tests, clinical use, 8702
comparison, 6043(a)
forced choice vs. questionnaire, 4365(a)
& leadership, 7339
nonprojective, review, 974
in nurse selection, 4980
psychomotor, 6055
"?" responses, 4384
questionnaires as, 7517
in research, 5672
textbook, 2684, 6030
textbook, 560, 2271, 2282, 5678, 5681
theories, & Rorschach, 8737(a)
theory, Adler vs. Allport, 559
& Adlerian psychology, 25
Freudian & self, 553
Horney, 6750
& models, critique, 561
psychiatry vs. anthropology, 555
& psychoanalysis, critique, 2281
sentiments, 4031
textbook, 8273
in vocational counseling, 1117
& thumb length, 584
trait, endorsement, 551
Trukese, 8668
type, & psychosomatics, 3107
& unemployment, 6652
variables, graphing, 6037
literal, indirect, exciting, 4047
vs. intelligence factors, 5589
& vision, 548
& visual time-error, 6988
& vocational, aptitude, 8786
choice, 1120
& walking, 433
worker, & job attitudes, 6611
Personnel, A.P.G.A., 163
administration, company policies, 3335
industrial laboratories, 3333
libraries, bibliography, 6618
philosophy of, 4991
policies, 4990
sociometry in, 6614(b)
surveys of, 4980
air traffic control, selection, 5012
assessment, review (1953), 6639
aviation, psychiatric selection, 1628, 1629
for children's institutions, 614
descriptive rating, biasing factor, 6634
directors, characteristics, 8138
evaluation, nature of, 6630
executives, training, 3331
exit interviews, 8113
factory, changing test scores, 1625
journal, new, 5239
management, textbook, 3326
mental hospital, & psychiatric theory, 8805
practices, Jamaica, 6109
worker attitudes, 1634
problems, industry, 6621(b)
in research organization, 6613
psychology, industrial, 8137
recruitment, in college, 4993
relations, index of, 9094
research, Air Force, index, 5014
evaluation, 5001
survey, 4986
at West Point, 8163
screening, single item tests, 5005
selection, in Brazil, 6175(b)
discussion group in, 8195
executive jobs, 8193
expectancy tables in, 1615
fine mechanical skill, 5004
graphology in, 6638
institutional, 7693
interview in, 8146
bibliography, 3357
& job requirements, 9078
linear discriminant function, 1884
methods, validity, 6646
office workers, 8642
& organizational environment, 5003
personality inventories for, 1622
predictions, 1619
professions, 8272
stator winders, 1773(t)
subject's attitudes, 3360
tests, 8143
trends in, 6645
& typology, 3334
unique pattern technique, 5013
& vocational guidance, 8781
selective efficiency index, 1623
submarine, assessment interview, 3347, 3356
characteristics, 3354
disqualification factors, 3353
test evaluation, 3351
training, role-playing vs. script, 8120
vs. experience, 4962
work, in industry, 1599
Personnel (industrial), apprentice selection interview, 8147
piecework incentive, 6662
selection procedures, U. S., 8140

Personnel (military), classification, aptitude tests, 8176
enlisted, self-description tests, 8175
illiteracy, 3174
morale, 3383
officer selection, India, 8643(b)
psychiatric screening, 9090
selection, Arctic duty, 8174
& classification, 8641
tests, 6633
suicide, 2932
Personnel (student), campus services, coordination, 1536
personal help, 4910
services, Muskingum College, 4921(a)
textbook, 6563, 6582, 9028
theory, needs of, 4923
training course in, 4925
Personnel Classification Test, vs. ACE Examination, 6599
Persuasion, & communication, 5953
for social control, 837
Pertussis, autogenic training in, 1380
Peru, village, caste & class, 3489
Pervitin, & mental efficiency, 1962
Petit mal, psychodynamics, case, 4771
Peyote, introspective report, 829
Peyotism, Menomini, 829
Pfeifer, R. A., bibliography, 183
psychotherapy of, 983
Pfister, O., obituary, & portrait, 177
Pfister-Heiss Color Pyramid Test, 7522
Phantasy, (See Fantasy)
Phantom limb, 7929
lobotomy for, 6407(a)
Pharynx, movement, speech & swallowing, 3686
Phenomenology, of behavior, theory, 3511
descriptive interpretation, 88
& magic, 3516
vs. psychoanalysis, 33
Phenurone, & electro-seizure, 5373
Phi movement, cerebral dominance, 3765
Philosophy, critical realism, critique, 5178
human, nature, Thomistic, 52
values, 11
language & culture, 46
operational, textbook, 5171
Oriental, & psychotherapy, 7625
& political ideology, 2445
problems, textbook, 5168
& psychoanalysis, 56
textbook, 4, 1786, 1787, 1801, 1814, 3489
& theoretical psychiatry, 1162
Phobia, case, 1355
defloration, case, 4695
& diarrhea, case, 6239
post-encephalitic, case, 7890
of school, factors in, 6378
of storms, case, 1249
Phoneme, & vowel, & consonant classes, 5964
Phonemes, & communication theory, 4261
Phonetics, perception of variables, 8861
Phonics, training, & spelling, 3487(t)
Phoria, changes, training, 373
Phosphene, & visual contrast & illusions, 326
Photograph, composite, 5129
image sharpness, psychometrics, 5474
Photometric correlator, 6754
Photomyoclonic response, 7074(b)
Phthalocyanines, for nerve staining, 8383
Phylobiology, neurosis of man, 5144
Physical, education, learning, practice, distribution, 8998(a)
women's attitudes, 6530
fitness, & college achievement, 6524
test, & tester's skill, 6593
proficiency, & achievement, 8095
factor analysis, 7106
Physically handicapped, adjustment, review, 3147
textbook, 4795
adolescents, adjustment, 1437
adult, adjustment, 1444
& aspiration level, 8957
attitudes, & rehabilitation, 3153
bibliography, 8955
child, emotional problem, 4791
international agencies, 3168
psychotherapy, case, 3161
psychological evaluation, 3148
reactions to, 6454
reading teaching, 8997
reeducation, 6452
rehabilitation goals, 6456
vocational adjustment, 7934
clinical psychology, 8702
counseling, critique, 3160
delinquency, 3159
education, special, 8044
educational opportunities, 6549
high school counseling, 6568
home bound, adjustment, 4786
intelligence testing, 6450(a)
minority status, 1443
multiple grade classroom, 3260
in nursery school, 8038
periodicals, bibliography, 4789
psychiatric problems, 3166
psychological reactions, 4728
reading learning, 9018
rehabilitation, 1440
client evaluation, 6459
evaluation, 4785
& personality, 6432
problems, 6447
program, 8956
textbook, 3155
training, 6457
vocational, 8954
Rorschach Test, 1438
services for, New York, 7936
& social maladjustment, case, 5114(t)
soldier, psychological treatment, 3163
watchmaking training, 7917
Physician, general, psychotherapy training, 8340
& patient, relations, 4526
social origins, 5084
Soviet, social roles, 1676
Physics, college achievement, factors, 7951
Physiological psychology, review (1953), 5344
Physiology, conditioned reflex, & internal environment, 8358
developmental, review, 1970
of hypnosis, 2762
in neurology & psychiatry, 2813
pathological, Pavlovian theory, 269
Russia, Pavlovianism, 8325
Physique, child, & conditioning speed, 497
Piaget, J., & child psychology, 166
Piaget theory, of moral development, critique, 7286
Piano, instruction, Matthay method, 6485
& motor skills, 2156
Picardy, culture, & the Picard, 2489
Pick's disease, 3125(a)
Picture, in textbooks, value, 6521
Picture Interpretation Test, & achievement motivation, 4378
Pigeon, auditory thresholds, 383
homing, navigation of, 417
retina, spectral sensitivity, 6972
Pigem test, 975
Piloerection, as convulsive equivalent, 3132
Pilot, aging, effects, 2371
ejection seat control, 1648
errors, fascination in, 3293
jet, navigation charts, 3416
motor aptitude, 3360
psychiatric screening, sentence completion, 4399
selection, anxiety proneness, 3366
Cornell index, 3338
EEG in, 4400
training, Complex Coordination Test, 1627
non-test predictors, 1614
tests in, 1630
vertigo, & error, 6675
Pintner Intermediate Test, vs. Henmon-Nelson, 1567
Pintner-Patterson Test, retest results, 947
Pintner, R., bibliography, & obituary, 168
Pitch, Tartini, new, 7062
Pituitary, activity, & schizophrenia, 6348
Play, & aggression defense, pre-school child, 8575
child, values of, 7288
children's, theories, 619
group, child in, 611
& ego development, 6596
in group psychotherapy, 1063
infant development, 7302
program, feebleminded, 1530
& work, nature of, 5576
Play therapy, for feebleminded, 2865
group, feeblemindedness, 1191
nature, & value, 2751
non-directive, critique, 2739
prognosis, & Progressive Matrices, 4363
& reading learning, 3213
& sociometric status, 2714
technique, 2698
values of, 1016
Pleasure, & reality, in fantasy, 457
in wish situation, 445
Plethysmography, conditioned, & mental activity, 5347
Poetry, psychoanalysis, 7246
reading, junior high school, 1469
symbolic figures in, 2301
Poisoning, food, & rat fear, behavior, 2935
Polamidone, addiction, reactions, 1245
Poland, psychology in, 5327
class character, 8339
Police, violence, social sanction, 3448
Poliomyelitis, fatigue & personality, 4738
psychological counseling, 4751
& religious feelings, 6458
Politics, attitudes, & age, 5926
& personality, college student, 9004(a)
& socialized medicine, 6713
veterans, 5931
Washington, 7434
character, & analysis, 5923
communist control of Czechoslovakia, 7421
Eisenhower, appeal of, 8669
election campaign, analysis, 5935
ideology & philosophy, 2445
issues, husband-wife interaction, 8672
opinion, high school students, 1511
psychology of, & ethics, 5811
speech readability, 872
stratification, factors, 8678
symbol, attitudes, 5917
world organization, opinion on, 8677
Polling, voter attitudes, 2528
Polygraph, first instrument, 5186
Polynesia, social anthropology, review, 7403
Population, density, & mental disorders, 2822
increase, psychological effects, 5839
parameters, estimation, method, 3592
truncated, parameter estimation, 1893
Porcupine, cerebral localization in, 274(a)
Porphyria, acute, mental symptoms, 1224
Porpoise, auditory response, high frequencies, 8458
echolocation in, 385
ultrasonic hearing, 5477
Porteus Maze Test, delinquents performance, 8865
qualitative aspects, 8730
Portraits, Adler, A., 1804, 1937
Berkeley, G., 1912
Bunker, H. A., 1926
Flugel, J. C., 3510
Goldstein, K., 6843
Horney, K., 164
Hull, C. L., 1913
Kafka, G., 3647
Katz, D., 5274, 6849
Klein, M., 5269
Knight, R. P., 166, 8754
Kretschmer, E., 1914
Luckey, B., 4543
Meyer, A., 1053
Muncie, W., 167
Nunbey, H., 6846
Pfister, O., 177
Pintner, R., 168
Pulver, M., 3648
Shaffer, L. F., 5270
Sherrington, C. S., 172
Spearman, C., 8337
Stevenson, G. S., 3625
Szondi, L., 3651
Vvedenskii, N. E., 191
Wiggers, H. A., 3635
Wolfle, D., 6847
Zulliger, H., 178
Post diction, bias, & projective tests, 7551
Posture, & motor rhythm, 8483
vertical, & labyrinthectomy, 2145, 2146
perception of, 8304
Poverty, sociology of, 4236
Practice, distribution, classroom learning, 4845
& motor transfer, 7107
& reinforcement, 3184
rotation habituation, 3948
serial learning, 3999
shift, effects, 7177
verbal reasoning, 7181
duration, & motor performance, 7133
Prägnanz, & figural after-effects, 6999
Praise, effectiveness, & time distribution, 8534
Praxology, nature of, 682
Prayer, in counseling, 2704
psychological values, 2521
Prediction, card symbol, 8507
clinical vs. actuarial, 2602(a)
& decision making, 685, 686
unique pattern vs. multiple regression, 5013
Preference, aesthetic, & personal relevance, 7237
Pregnancy, dark adaptation in, 3789
emotions in, 7878
fantasy, epilepsy, case, 7891(a)
fear of, & fertility, 432
& maternal attitudes, 3109
mental hygiene in, 7858
& psychosis, 7832
psychosomatics, & abortion, 3096
sedatives, & impregnation, 1208
vasomotor neurosis, apparent, 3044
vomiting, psychogenesis, 7869

Prejudice, & authoritarian syndrome, 4196(a)
change, & education, 4798
correction in children, 739
correlates of, review, 7410
against education, 3175
& interracial housing, 796
review, 5797
social psychology, 5896
textbook, 769, 7324
trait scoring method, 5883
Prematurity, control & care, 603
Premonition, as defense, case, 1251
Presbyopia, age onset, race differences, 2375
Prestige, & group, behavior, 8624, 8642
college sororities, 3245
of paintings, & preferences, 5688
Primary Mental Abilities Test, factors, orthogonal solution, 1904
Primate, color discrimination, 5612
radiation effects, research, 8300
Primitive mentality, 2948
Prison, clinical psychologist in, 5309(a)
riots, causes, 4621
unrest in, 7799
Prisoner, attitudes, & penal treatment, 4618
medical treatment center, 2979
military, chaplain &, 1280
psychiatric differentiation, 7777
Rorschach responses, 6327
vs. college student, personality tests, 8719(a)
of war, German mentality, 5919(b)
repatriation reactions, 8798
Privileged communication, & clinical psychology, 3661
Probability, functions, tables, 3612
& inductive reasoning, 5194
lottery gambles, 147
psychological, & experienced frequency, 5570
in perception, 6026
tables, extreme values, 3611
Probation, counseling, cultural influences, 4619
in drug addiction, 6266
juvenile, Great Britain, 1301
officer, selection, 8195
worker, authority relations, 4629
Problem, insoluble, & stress, 8478, 8479
Problem solving, & brain lesion, 1407
in college science course, 1490
discussion, group, 7333
& early experience, dog, 8555
& Einstellung effect, 5651
frustration effects, 7122
graphic representation in, 4021
hostility effects, 8496(a)
methods, college students, 7198
& neurosis, 5107(t)
oddity, rat, 532
oral, & test interpretation, 8503(a)
rigidity in, 2245
science, test, 3221
space, verbal reports, 2239
& stress, 550
string, gorilla, 514
training method, & age, 522
vs. conditioning, neurosis, 3062
Production, & employee attitudes, 5050
& job satisfaction, 5025
Productivity, & the worker, 5018
Profession, employee, & management, 8270
personality factors, 8272
worker, retirement, 662
Profile, analysis, geometric model, 6815
method, 6770
comparison, & interpretation, 3567
similarity of, assessment, 5215
measures of, 8316
Progressive Matrices, & play therapy, feeble-minded, 2865
prognosis, 4363
vs. Wechsler Bellevue tests, 8726(a)
Projection, process, aspects, 7542
vs. empathy, reality, adjustment, 8700
Projective Motor Test, validation, 4383
Projective techniques, in addiction, 6259
adolescent responses, 3478(t)
aggression, & behavior, 1770(t)
ambiguity vs. non-ambiguity, 2646
& archetypes, 7123
argumentative role playing, 8651(a)
& art, 6127
battery, personality diagnosis, 7502
Blacky Pictures, 3975, 4393(a)
cartoons as, 7554
Cassel Group Level of Aspiration, 104
characterological analysis tests, 7505
in child, aggression, 2937
therapy evaluation, 4387
& childhood recollections, 910
Children's Apperception Test, 927, 977, 2685
children's drawing, 621
in clinical psychology, 8702
Completion Stories Test, 1850
& creativity, 2242
criticisms of, 4379
distorting mirror, 3552
drawing test, complex, 4371
in educational, guidance, 9021(a)
measurements, 3298
election-microphotographs, 3490
Emotional Projective Test, 8738(a)
evaluation, & clinician's self-insight, 1711(t)
Fable test, 4329
graphology, 962
group, figure drawing, 2629
study, 5860
Heiss color pyramid, 2681
H-T-P Test, 956
in battery, 4437
sex symbolism, 6029
Howard Ink Blot Test, 1848
human, face, as stimulus, 2702
figure drawing, 7563
vs. animal pictures, child responses, 6019
information bias, 4395
Insight Test, 2672
interpretation, case, 2678
& clinician hostility, 4359
principles, 2694
interviewing, in opinion research, 9098
Kahn Symbol arrangement, 107
kinesthetic & tactile, 2680
Levy Movement Test, 2609
Lüscher Test, 7523
in medical disorders, review, 3614
Mosaic Test, 2626, 2630, 2651
movement sequence, age & intelligence, 8717(a)
musical psychodiagnostic test, 955
in Naval officer selection, 8150
& overt behavior, effects on, 4570
painting as, 2682
perceptual processes in, 6053
in personality, assessment, 2643
structure consistency, 6022
study, 6015
Pfister-Heiss Color Pyramid, 7522
pictorial letters, 2642
Pigem test, 975
& post diction bias, 7551
in psychiatry, 8712
psychodynamics vs. transpositive, 7542
in psychotherapy, 6111
critique, 6087
Personage Test, 973
Projective Motor Test, 4383
records, case, 2676
responses, examiner influence, 6040
in hypnosis, 6013
review, 985, 6016
& role taking, 4402
SAM Sentence Completion, 4399
sentence completion, 4360
multiple choice, 8724
& Sheldon's somatotypes, 3457(t)
sound, 6062
story completion, college, 7539
tachistoscopic presentation, 994
& thinking, theories, 2254
& transient frustration, 3453(t)
use & interpretation, 8727
Verdun Projective Battery, 4370
for vocational interests, 7649
Wartegg Drawing, 6056
word count in, 2687
written, use of, 7528
Zulliger's Test, 951
Prometheus, & technology, 777
Propaganda, argument & influence, 7458
airborne leaflet diffusion, 4275
& attitude, change, 854
test measures, 867
content analysis, qualitative, 858
& critical listening, 7460
international, attitude change, 833
research hypotheses, 855
U. S., evaluation, 875
& opinion change, delayed, 2554
selfish appeals, influence, 5962
& Soviet social status, 869
VOA, content analysis methods, 852
listener mail, 849
Soviet, reactions, 851
satellites, 864
Proportion, difference, non-parametric test, 1867
Proprioception, & audiogenic seizures, 3854
& cortical mapping, 8904
& motor behavior, 304
Propyl thiouracil, & alcoholism, rat, 256
Protestantism, & alcoholism, 2941
Proust, Marcel, psychoanalysis, 573, 4056
Pseudocyesis, case, 6415
psychoanalysis, case, 4584
Psi phenomenon, below chance scores, 5538
causation of, 2200
negative scores, 5405
review, 5137
Psyche, & natural laws, 7
Psychiatric, social work, (See Social work, psychiatric)
technician, personality profile, 6861
Psychiatrist, Army role of, 2808
in blind, adjustment center, 1436
case work agency, 1435
& clinical psychologist, 194
in college guidance, 3269, 3270, 3274, 3280
in general hospital, 2820
resident, clinical psychology for, 1954
psychotherapy supervision, 220
in schools, 7942
social agency role, 2557
therapeutic function, 2749
training, 8356
Psychiatry, administrative, review, 1161, 7678
America vs. Great Britain, 4522
annual review, 6199
biological basis, 4509
in California, history, 2845
causality concept &, 6300
child, & education, 3177
hypnosis in, 2762
review, 1150, 6152, 7639
textbook, 2786
in U. S., 7641
& vocational guidance, 7650
chronology, 4505, 5273, 8326
clinical, psychological tests in, 2692
psychology, 213, 215, 216, 218, 1120, 1131, 3666(a), 3674, 3678
teaching, 3667
review, 6197, 7665
teaching, group techniques, 4528
collection, 1140
in combat zone, 8791
& communication, 8803
conditioned reflex in, 2812
constitutional types in, 4517
consultation, in rural areas, 5988
court reports, 4628
culture &, 2806
concept in, 1152(a)
diagnosis, & classification, 2817
concepts, 919
textbook, 908
theory, 904
dictionary, 1906, 3616
education in, review (1952), 1136
& experimental psychology, 16
follow-up care, 4483
forensic, Germany, 6196
lie detector in, 7789
Norway, 7671
review, 1161, 6192, 7678
textbook, 1130, 2833
in general hospital, 2831
genetics, 8367
geriatrics, review, 2379
German, history, 4527
glossary, 6831
heredity, & genetics, review, 7668
review, 1149
history of, 20th century, 1165
homeostatic mechanisms, 2848
hypnosis in, 2762
in industry, 1608, 8111
review, 1134
interpersonal theory, 1166
interview, initial, 8747
Journal of Mental Science, 5243
legislation, Israel, 1173
& military, manpower, 6616
review (1952), 1141, 7683
nosology, 8799
& law, 1164
for nurses, textbook, 2819
outpatient, & family care, review, 984
Pavlovian, course, 2831
personnel, training, & role playing, 8346
physiological, textbook, 2813
preventive, in combat, 6184
private practice, therapy in, 1052
problems, cost, 7666
psychological, studies in, 6179
tests in, 2590
psychologist in, 225
& psychology, 1138
& religion, 4221
research, methods, critique, 1147
opossum in, 7684
patient selection, 4515
personnel maturity, 4516

problem, 6201
program, 6189
samples & controls, 1830
& theory, 2846
responsibilities of, 1166
review, 1144, 6178
schools of, 2816
scientific laws in, 5184
scope & limitations, 2835
screening, armed forces, 9090
EEG in, 4400
self-esteem, dynamics of, 3915(a)
services, directory, 6826
in Shanghai, 4529
social, group work in, 4473
importance, 1133
science, 1148, 2414
significance, 3438
Soviet, 2850, 5295
teaching in, 8353
methods in, 8354
test use in, 6712
textbook, 1170, 2809, 2826, 2849, 4511, 6191, 6195, 6204, 8809
popular, 1167, 2836, 6177
theoretical, & philosphy, 1162
theory, & hospital policy, 8805
training, psychoanalysis in, 4518
supervision in, 3663
in U.S., 5311
in United States, 2807
& values, 4513
vs. anthropology, personality theory, 555
wholistic view, 4527
Psychical research, & psychology, 6738
Psychoanalysis, Adler, A., contributions, 48
& adolescence, 2781
adolescent initiation, 2501
in adoption practice, 2780
of adults & children, 996
aesthetics, review, 8570
affect theory, 3911, 5579
alcoholism, dynamics, 2908
American, present status, 205
analyst vs. analysand, 7679
annual review, 8321
anthology, 1796
Abraham, 1915
& anthropology, 6085
review, 8634
anxiety, ego theory, 6263
aphasia, 6275
& art, 4319, 7246
criticism, 593
in Austria, history, 6090
author, inhibited, 5689
as basic science, 3517
& behavior stress, 3885
& biodynamics, 3521
biological, aspects, 3500
science, 3523
body experiments in, 4421
borderline states, 6245
& brain organization, 273
case interpretations, 4585
child, 6244
development, review, 8604
guidance, 2783
psychiatry, 2786
religious symbolism, 4557
review, 8775
circle symbolism, 905
of circumstantiality, 6242
of claustrophobia, 1364
& clinical, psychology, 211, 214
studies, review, 8694
colitis, case, 6400
collection, 3495, 5130
concepts, experimental analysis, 1812
latency vs. adolescence, 4079(a)
counseling, popular textbook, 2565
critique, 1054
critiques, review, 8284
cruelty, 6238
of dancing, 5699
death instinct, 5143
of depression, case, 1320
& dialectical materialism, 5169(b)
didactic, in training, 222
vs. therapeutic, 6870
displacement, theory, 2268
dream, forgetting, 5643
functions, 7193
interpretation, 4389
critique, 2241
post-Freudian, 2247
screen, 2249, 2251
of drug addiction, 6231
ear & hearing, 5478
early monographs, 6828
ego, concept, 2276
psychology, review, 8285
& epilepsy, 7903
essays, collection, 5163
& existentialism, 5172, 5174
experience, & behavior, 5162
& experimental, research, 3527
support, 34
faith in, 4443
family, agency, 2604
& personality, 565
fear, 2196
female sexuality, 5489, 5572
feminine psychology, 1803
Fenichel, O., collected papers, 5123
fetishism, 4595
foetal psychodynamics, 538
folklore, review, 8637
& foster home placement, 2791
free, association, history, 5140
painting in, 2682
Freudian, influence of, 3496
of genesis of man, 1817
genital interchangeability, 7680
haunting melodies, 5585
heart pain, 8911
history, 8292
in America, 3643
& influence, 3626
homosexuality, 2901
humor theory, tests of, 8500(a)
of hypertension, 7874
identification, 4446
individual-group interaction, 2389
infant development, 2354
of infants, 2787
influence of, 6740
instinct theory, 3853
& interpersonal, tensions, 5729
theories, 9
Japanese, 5167
culture, 7406
personality, critique, 3479
of Jonah, 7419
journals, bibliography, 5241
lay, practice, legality, 4478
vs. medical, 3653
& legal origins, 679
of Linneaus, C., 5085
Little Hans, case, 2779
masochism, 2922
& medical social work, 2585
in medicine, influence, 5089
& mental hygiene, 5667
methods, review, 8704
micropsia, 7738
monograph series, bibliography, 5238
of music, 597
& mythology, review, 8636
neo-, dream theory, 2255
Freudian vs. neo-Adlerian, 1123(a), 5141
neurosis, concept, 3056
etiology, 3052
of nightmare, 6264(b)
in nursery school, 5758
obscenity, 7467
obsessional child, case, 7710
occupational choice, & adjustment, 6657
& old age, 2370
parents, & child training, 8597
penis awe vs. envy, 5155
peptic ulcer, theory, 3076
personality theory, 549, 2281
& philosophy, 56
pseudocyesis, 4584
in psychiatric training, 4518
& psychogenic eye disturbances, 8915(b)
& psychologist, analyzed, 226
psychosis, theory, 4645
& psychosomatic medicine, 8913
psychosomatics, 3071, 4711, 6394
publications, readability, 10
questioning in technique, 7499
of Rank, 175
& religion, 787
review, 8635
religious instruction, critique, 4825, 4856
research methods in, 91
romantic love, 448
sadism, case, 4556
of schizophrenia, 7818
theory, 7808
of scientific, career, 6710
theory, 8290
selective recall, 5110(t)
sex behavior, male vs. female, 3912
sleep as conversion symptom, 7567
social, behavior predictions, 4052(a)
responses, 2393
science, 3526
work, textbook, 2572
of society formation, 5827
of sociology, 8619
& stage fright, 1229
statistics in, 1861
status of, 50
stomach during, 1038
sublimination, 6254
of teasing, 7126
technique, 1005, 6093
textbook, 1807, 5150
theory, anal eroticism, 3501
Chicago Institute, 3528
critique, 6200
function of, 5157
Horney, 6750
megalomania, 4664
perceptual vigilance, 6928
& understanding, 76
time, love, & death, 1795
totem & tabu, 2502
training in, 5324
counter transference in, 6074
& practice, 8345
program, Chicago, 3673
supervised analysis, 3652
supervision in, 3662
trends, 4514
vs. therapeutic, 6876
transition phenomena, 399
trends, review, 6182
ulcerative colitis, 1391
& unconsious, 5578
concept of, 1809
of Van Gogh, V., 2300
vs. experimental method, 1823, 1835
vs. phenomenology, 33
of vocational choice, 7651
& women's, clothing, 5790
status, 19
& writers' fears, 4062
Psychoanalysis (interpretation), abstract thinking, 7200
African sculpture, 2304
art symbols, 4053, 4068
Australian folk legends, 5893
Baudelaire, C., 5690
of beauty, 4055
Bible stories, 655
boy & dike, 4133
Brutus, 582
Buechner, G., 601
chess Queen, 1643
civil liability, 3439
clothing, 1244
evil eye, 767
fairy tale, 2477, 7407
fiction, sentiment in, 2289
Gandhi, 2513
Grimm fairy tale, 2303
Hamlet, 4058
Hansel and Gretel, 599
healer, non-medical, 3442
of home, 4238
Humpty Dumpty, 7247
Ivanhoe, teaching, 3230
Jacob, 2306
King Lear, 578
Lenormand, 5700
L'Etranger, 572
Marquis de Sade, 5694
mathematician, 3444
Melville, H., 589
Menorah, 784, 7411
Miracle of Milan, 4061
Mithraism, 7420
monotheism, 2515
music, 5698, 7242
myth, 2498, 7407
roasted child, 2482
painter, self portraits, 4063
painting, symbolism, 4060
Proust, Marcel, 573, 4056
puberty rites, 7391
Rapunzel, 7238
of Reich, W., 6850
Rossini's music, 591
Ruddigore, 2302
sacred fire, 2474
seal ancestor myth, 738
Shakespeare, 586
cult, 4059
Sonnets, 2294
Spinoza's philosophy, 187
"stroke," 1126
Tantalus myth, 2290
Toda family, 5889
Tristan and Isolde, 4057
Van Gogh, 2299
Woolf's novels, 7250
Psychoanalysis (therapy), adaptational technique, 1061
adolescence, institutional, 2767
aspects of other therapy, 8741
brief, & spiritual guidance, 2742

character resistance, 1084
in Chicago Institute, 4439
child, critique, 2718
neuroses, 1096, 6162
transference, 1098, 7604
collaborative, 2731
concepts, & theory, review, 8740
countertransference, 1060
dynamics, 6075
cultural factors, 6085
dream suggestion, 1004
& dynamic psychotherapy, 7596
ego restriction, case, 7706
emotion, & acid secretion, 4454
epilepsy, 4749
evaluation of, 7613
follow-up, case, 2730
Freudian, & psychotherapy, 1044
general problems, review, 8767
group, 6115, 7605
analysis, 2721
adjunct, 4488
Horney's theories in, 4467
mechanisms, 4433
homosexuality, female, case, 4589
hypochondriac depression, case, 1383
infantile neurosis, case, 1139
limits of, 4482
critique, 1059
of marriage partners, 2745
melancholia, case, 4690
methods, comparison, 6148
of minority groups, 988
paranoia, case, 4661
patient, relation to, 2715
experiences, 1017
perception, & instinctual drives, 6084
phobia, deflioration, 4695
with physical illness, 7622
psychodrama, & group therapy, 4445
in psychoneurosis, 1353, 1371
psychosis, 3025
psychosomatic symptoms in, case, 3072
& psychotherapy, 3699
results, 2750(a)
follow-up, 4425
sadism, case, 4555
schizophrenia, case, 4665
in senescence, 1089
social casework, consultant, 6086
special problems, review, 8746
of stuttering, 1267
technique, variations, 7614
textbook, 2735
transference in, 985
& acting out, 7630
ulcerative colitis, 7862
verbal, & play forms, 7578
vs. dynamic psychotherapy, 7600
Psychoanalyst, double role of, 1032
medical training, unconscious effect, 7584
supervisory analysis, counter transference, 2771
training, supervisory analysis, 1947
Psychobiology, & psychotherapy, 1053
Psychoculture, in child guidance clinic, 2792
Psychodrama, child & family, 4476
in child guidance, 1106
in mental hospital, 6131, 6137
program, organization, 4428
& psychoanalysis, 4445
role playing, & case dramatization, 6120
in social, anthropology, 4165
psychology research, 5845(b)
television, use of, 6125
Psychogram, technique, 978
Psychokinesis, cat behavior, affected, 7098
cube materials, 5512
dice method, 5531
differential scoring methods, 421
& manual random selector, 5528
research, review of, 5408
Psychological warfare, in Korea, 7441
military function, 4259
(See also Propaganda)
Psychologist, age, & meeting participation, 206
analyzed, & psychoanalysis, 226
attitudes, intuitive-objective, 5320
Canadian, origin, 6871
clinical, interpersonal perceptions, 1012
college origins, 6709
& community relations, 3677
& crippled child evaluation, 3148
European, in America, 179
industrial, work of, 6674
management functions, 196
in mental, hospitals, 6860
patients, 1158
in reading clinic, 6878
necrology, 6839
Peabody Ph.D.'s, 6854
personal characteristics, 6862
professional liability of, 5300
in psychiatric practice, 225
psychological characteristics, 1956
rating, & Miller Analogies Test, 227
reading of, 200
Rorschach response, 3443
school, duties of, 3659
functions, 3682
Paris, 3671
& physician, 3657
& teacher relations, 3679
training, 3656
vs. France, 3683
work of, 3658, 3660, 3665, 3669, 4797
selection, judgment test, 4336
social, training, 212, 239
vs. physician, France, 6875
Psychology, Adler, A., contributions, 45
areas of, textbook, 8280
& biological research, 195
Canadian theses, 8319
in civil service, Great Britain, 6627
& clinical neurology, 6442
code of ethics, 6872
concepts, definition, 83
of continents, 5879
course, achievement, & instructors, 3655
examination, 4862
general, objectives, 8350
courses, in medical school, 8343
cultural, textbook, 2413
developmental, textbook, 5704, 5705
dictionary, 3616, 5242, 6829, 6322
Hebrew, 153
differential, textbook, 8278
in education, 6477
essays, collection, 21
ethical standards, 1944, 1945
in Europe, 1923
experiment, place of, 5191
experimental, designs, & methods, 8304
information theory in, 8298
& psychiatry, 16
subjects, attitudes, 8313
textbook, 1940
theory in, 1808
in feebleminded school, 3664
field theory, mathematics, 3502
films, review, 3684
first course, in teacher training, 8352(a)
institutions, 8351(a)
teaching methods, 8347(a)
genetic, textbook, 5707
Gestalt, & self esteem, 3915(a)
graduate, departments, 210
stipends, 6868
in Great Britain, collection, 5132
in high school program, 1952
history of, 5288
idealism, & realism in, 5153(b)
inference, empirical study, 1733(t)
instructor, student ratings, 3654, 5318
interpersonal, textbook, 9
introductory textbook, 1802
in Italy, 5286
in junior colleges, 5303
as knowledge of man, 1792
laboratory, U. Texas, 87
language, 986
literature guides, 6830
of man's evolution, 8282
Martuszewicza theory, 8286
Master's degree in, 6869
mathematics training, 5301
in medical, education, 209
practice, 5094
training in, 223
medico-legal, 202
& mental deficiency, 8819
as metalanguage, 5148
methods, & clinical, 5122
military, research types, 5056
museum for, 5315
as natural science, 40
nature of, 18, 3503
& neurology, cybernetics, 8294
synthesis, 1815
& neuropathology, 8374
& neurophysiology, 8388
objective, critique, 3508
Pavlovian, 8295
at Oxford U., 5310
pastoral, bibliography, 7482
history, 2586
& rabbinate, 2575
textbook, 5983
physical model explanations, 5156
Polish, class character, 8339
practical, textbook, 13
problem discovery in, 3544
professional problems, 5304
& psychiatry, 1138
& psychical research, 6738
psychometric, & experimental research, 6734
& religion, 7417
research, basic vs. applied, 5056
government support, 5326
human subject, use, 6752
resources, Southern States, 5321
in Russia, 8342
& SSRC, 5285
of safety factor, 6737
school, in high school, 4802
schools, & unification, 58
as science, 3668, 5178
professional aspects, 6856
of psyche, 28
& technology, 197
in small liberal arts college, 5316
& sociology, in area studies, 827
& anthropology, 2462
course, for nurses, 1951
& sociometry, 5873(b)
Soviet, 8334, 8334
of Spinoza, B., 1940
student, achievement, & instructor rating, 4056
competence, 8349
subdoctoral training, 6857
teaching, Poland, 5327
terminology, 8320
terms, teacher interpretation, 9068(a)
textbook, 3, 5, 8, 15, 1789, 5133, 6283
authorities cited, 8348
introductory, 1, 2, 1791, 5139, 6735
readability, 8355
theoretical models, & semantics, 5176
theoretician, & practitioner, 5322
theory, & communication, 8296
construction, 3514
constructs in, 54
& culture, 44
facts, & frames of reference, 3515
formalization, 5165
hypothetical terms, 3525
& logical constructs, 3513
& Marxism, 3533
philosophical, vs. statistics, 3604
physical constants, 3490
physically defined variables, 3507
place of, 3506
& sociology, 8288
Soviet, 8338
stimulus as variable, 3498
training in, Great Britain, 5305
in perception, & learning, 5319(b)
trends, in Europe, 217
vs. anthropology, & human nature, 8633
vs. educational research, 6461
of wholeness, textbook, 8278
Psychometrics, & experimental research, 6734
research, training for, 6864
Psychomotor, task, interference in, 3994
test, Complex Coordinator, 5006
tests, for flying training, 5002
of personality, 6055
Psychoneurosis, acetylcholine in, 6379
art in, 6127
ataxia & suggestibility, 3053(a)
Bender-Gestalt responses, 4354
biological basis, 1378
carbon dioxide therapy, 1041, 3061, 7853
case, 7845
character, nature of, 1376
childhood memory, case, 1373
children, 1096
classification of, 3048
clinical, psychology, 8702
cold pressor test, 8795
conditioned reflex theory, 6388
conditioning vs. problem solving, 3062
confusionist, 1354
conscience conflicts, 2832
& cultural adaptation, 1363
defenses, language behavior, 6733(t)
& delinquency, 8870
detachment, genesis & therapy, 3064
diagnosis, & etiology, 1369
emotional tension, 4702
epileptiform, child, case, 6384
as evasion of growth, 6377
of feeblemindedness, case, 1201
in fraternal twin, 4606
Freudian theory, 3052
& guilt, 1360
group psychotherapy, 2756
helplessness, symptom, 7851
heredity in, 4694
individual vs. group therapy, 1366
& industrial production, 1808
in industry, factors, 3085
language behavior, 3059
learning, elements in, 7852

theory, 1047
& love relation, 4691
in monkey, 3060
& motivation, 6382
in Negroes, 4701
obsession, & ascorbic acid, case, 3063
ego in, 4688
organ, gynecological, 3095
nature of, 7854
pain symptoms, 6386
parent-child interaction, 1358
& parental absence, 1377
Pavlovian theory, 1357
primary psychotraumatic, 3046
& problem solving, 5107(t)
prognosis in, 1370
psychoanalysis techniques, 1371
psychoanalytic, concepts, 3056
therapy, 1353
psychological characteristics, 1362
psychosomatic mechanism, 4703
& psychosomatics, 3057, 7847
& psychotherapy, 6385
& test performance, 4410
reality testing in, 3049
reference, case, 4689
review, 6190, 6381
Rorschach color effects, 7509
schizo- vs. autokinesis, 3050
schizophrenia in, 6356
self concepts, 1712(t)
syndromes, factor analysis, 6383
TAT scoring in, 943
theory, 3055
Horney, 6750
trauma, & eutychia, 6390
unmotivated, 1372
vasomotor, organic basis in pregnancy, 3044
vs. brain, lesion, EEG, 1375
pathology, diagnosis, 7910
vs. psychosis, 7661
conditioning rate, 2844
personality variables, 6038
Rorschach, 2616
TAT differentiation, 2810
vs. schizophrenia, Rorschach, 1163
vertigo, case, 4700
(See also Neurotic behavior; Neuroticism)
Psychopath, criminals, 6325
diagnosis, & etiology, 1223
differential diagnosis, Rorschach, 8731(a)
EEG, parent & child, 7734
in industry, 3346
lobotomy, effects, 2898
treatability of, 7714
Werner's syndrome, 1207
Psychopathology, acquired, inheritance, 2843
changes, MMPI, 2691
of crime, textbook, 2976
diagnosis & classification, 2828
& literature, 5697
of magic, & omen, 1124
motivation, & socially useful behavior, 8497
psychosomatics vs. cortico-visceral, 1154
& religion, 823
textbook, 2811
Psychopathy, child, development, 1155
diagnosis, 1257
German theories, 1206
theory, Pavlovian, 3009
Psychophysics, & attribute prediction theory, 6944
mathematical field theory, 3502
military research, review, 3422
response sequence, analysis, 3041
Psychosexual, development, anal phase, 5744(b)
infantilism, textbook, 4594
Psychosis, ACTH & cortisone in, 8876
from ACTH & cortisone, 4652
adolescents, group therapy, 2707
& adrenal cortex, 6363(a)
adrenocortical functions, 8880
affective, other treatment, 2996
test performance, 4671
amygdaloid nucleus ablation, 4683
art, patient, 6180
arteriosclerotic, test performance, 4655
& asthma, 4718
Bender-Gestalt Test, prognosis, 4678
bromide delirium, 2915
cancellation test, 3593
cerebral inclusions in, 4673
child, & ego disturbance, 7741
research problems, 7814
in childhood, 1319, 7825
chronic, intensive treatment, 1316
cingulate isolation, 1327
clinical psychology, 8702
cold pressor test, 8795
concept, critique, 1313
conceptual thinking & amytal, 7809
cortisone therapy, 7810
criminal, medico-legal concept, 6324
cyclic schizo-affective, case, 1343
delusional perceptions, 4857
delusions, diagnosis, 2983
knowledge in, 6371
in displaced persons, 4659
electrocardiographic response, 3004
EEG in, 3008
electroshock therapy & learning, 4672(a)
etiology, age & sex in, 7834
existence analysis, 4681
experimental, in monkey, 7675
finger movements, ergography, 4638
fingerpainting, in diagnosis, 6357
first admission rates, trends, 2997
frontal bone hyperostosis, 3016
glucose mobilization, 4637
group psychotherapy, 1303(a), 7569
hospital discharge, 1335, 1345
handwriting, & aggressive expression, 3470(t)
histamine & shock therapy, 3027
histology, study of, 3038
hormone action, 3026
hospital reeducation center, 4674
IES Test deviations, 3449(t)
infantile, case, 7743
instincts, psychoanalysis, 4645
insulin tolerance test, 8887
Korsakov's, age disorientation, 6376
latent, diagnosis, 7807
lobotomy, medial temporal, 1340
results, 6375, 7804
lysergic, hostility in, 7821(a)
& marriage, 8892
Masilid in, 7824
memory ability, & electroshock, 4325
metabolism, & parahydroxypropiophenone, 3026
& multiple sclerosis, case, 6423
neolalia & glossolalia, 4640
old age, & EEG, 3007
electroshock therapy, 3023
management, 4651
personality, 3484(t)
organic, autonomic responses, 8942
behavior, 1421
& cyclothymia, 7915
factors in, 7839
vs. schizophrenia, intellectual deficit, 6365
painting, & personality, 4646
& Pavlov's experiments, 6203(a)
pellagra, 4682
perception, Lissajou figures, 4668
personality test responses, 7822
psychoanalytic therapy, 3025
psychogenic factors, 4685
psychotherapy of, 7837
rating scales for, 6124
reaction time test, 3043
reactions, after accidental killing, 6336
recovery & environment, 4663
religious delusions, 4662
review (1953), 6190
rigidity & shock therapy, 3020
self concept, 5112(t)
senile, & Alzheimer's disease, 3014
amnestic syndromes, 3130
dementia, Wechsler scores, 2359
group psychotherapy, 1326(a)
psychological tests, & EEG, 3031
sodium iodide in, 7841
test performance in, 4655, 4671
weight illusion, 4520
simulation of, 2945
social behavior & psychiatric states, 5111(t)
sociometry & group psychotherapy, 4669
symptom severity, rating scale, 6351
synephrin test in, 1332
thalamotomy in, 1344
treatment, evaluation, 3039
& tuberculosis, 1321
in twins, 6198
vs. criminality, 6304
vs. non-psychotic brain damage, test scores, 8902(a)
vs. psychoneurosis, 7661
conditioning rate, 2844
personality variables, 6038
Rorschach, 2616
TAT differentiation, 2810
violence & Rorschach, 4677
ward, group therapy, 7891
sociometry, 4656
in widowed & divorced, 6361
(See also by name)
Psychosomatics, Adie's syndrome, 4759
& Adler's psycho-physical unity, 7884
attitude & disposition, 3101
cerebral palsy, 8933(a)
in children, 7881
& clinical psychology, 8702
in dentistry, 1401, 3103
etiology, 1402
eye disturbances, 8915(b), 8916(b)
Germany, review, 2836
gynecological, textbook, 4729
in gynecology, 3095
housewife problems, 3090
imagery & therapy, 1381
industrial dermatitis, 1397
interpretation to patient, 1385
medicine, collection, 6391
practice, 3086
ophthalmologic, 7867
organ selection theories, 7886
& personality, characteristics, 3081
types, 3107
physiological changes in, 7865
process specificity, 6402
& psychoanalysis, 3071, 6394, 8913
case, 3072
psychoanalytic principles, 4711
& psychogenic, 7864
& psychoneurosis, 3057, 7847
psychophysiology of pathology, 6406
psychotherapy in, 1393, 6142
goals, 1400
relationships, theory, 4709
research, Chicago Institute, 4725
review, 1144, 6416
& shoulder stiffness, 8919
& somatopsychic, 7888
symptom genesis, infancy, 6397
symptoms, 3068
tensions, & disease processes, 8926
textbook, 2827, 3067, 3070
theories, developmental, 6398
therapy, 6112
time & rhythm in, 1392
in U. S., 6391
vs. cortico-visceral physiopathology, 1154
vs. holistic medicine, 7880
visual defects, 7868
workers, screening, 5044
Psychosurgery, 2726(a)
amygdaloid nucleus ablation, 4683
& blood pressure, 291
& brain localization, 1991
cingulate isolation, 1327
cingulectomy, & personality, 4775
frontal lobe, types, results, 8770
in intractable pain, 1212
patient, changes, collection, 6124
creativity, 6124
personality changes, 1034
psychological changes, 2647, 2716
in psychosis, 8756
results of, 6108
review, 1010, 6099, 7587
thalamotomy, psychosis, 1344
(See also Lobotomy, etc.)
Psychotechnology, journal, new, 3617
Psychotherapist, age of, with older patients, 7631
-client, communication, 2753
superiority feelings of, 6122
Psychotherapy, 8754(a)
& adjustment index, 6088
Adler, A., contributions, 39
agreement in, 1077
with alcoholics, 2918
in allergy, 8927
American, & Austrian depth psychology, 6090
analytic & organic, 2765
appointment failures, follow-up, 997
art in, 6127
& behavior variability change, 8769(a)
& breathing training, 4442
brief, dermatitis, 3099
indications for, 6104
methods & training, 6087
in old age, 2361
patient selection, 7617
principles of, 979
success prediction, 8745(a)
techniques, 4479
camp, record practice, 2795
casework, client choice in, 1002
Cassel Progress Record, 7577
caseworker in, 7618
catharsis & transference, 2740
& child, adoption, 6154
evaluation, 4387
guidance, evaluation, 1101
rewards in, 4461
welfare, 4422
& class relations, 1125
client-centered, anxiety changes, 7589
MMPI changes, 6100

research program, 1068
in Rogers, 2737
studies, 6141
in clinic, & social stratification, 8771
clinical, psychology in, 224
training in, 6474
in combat zone, 8749
communication in, 6136
comparison, patient's reports, 1017
compliance vs. surrender, 1067
concepts in, 989
contact in, with offenders, 6317
continuation in, prediction, 6166
continuing in, prediction, 2701
& CO_2 therapy, 7575
crippled child, case, 3161
defense structure in, 1063
in delinquency prevention, 1208
of delusions, 2987
depth, non-psychoanalysis, 1059
& diagnostic examination, 1025
directive, 2773
discovery & justification in, 1079
Draw-a-Person test in, case, 7603
dream, semantic analysis, 8761(a)
drug use in, 1021, 6098
duration, & results, factors, 980
Rorschach prediction, 6101
dynamic vs. psychoanalytic, 7596
dynamics of case, 4431
& education, 2703
effectiveness, measuring, 4417
emotional tension, expression, 4450
ethics of, Pius XII, 4463
European, 7582
evaluation, experimental design, 1094
post-hypnotic conflict, 7801
rating scale, 6126
existentialism, 1008
faith & delusion in, 6123
family-centered, 2706
fee, in clinic, 2736
effect in, 7623
for feebleminded, 2697, 4533, 7689
free clinic, vs. paid, 1068
& friendship, 8792
in general medical practice, 4411
Germany, review, 2836
goals of, 1090
Jungian, 2717
guidance vs. learning, 7154
hospital social rehabilitation, 4409
hypnosis in, 2762
identification in, 2764
improvement from, measures, 4435
individual & group, patient productivity, 7588
individual vs. group, 1366
dreams, 4441
relations, 2727
interaction-feeling hypothesis, 4413
interview, analysis, 2747
method, 1761(t)
pause technique, 930
& Italian national character, 6073
journal, new, 155
Jung, collection, 8752
Jungian, 1022
by laymen, 4477
& learning, 1047, 1081
theory, 6107
limitations of, 4517
mechanism, in psychoneuroses, 4703
as medical pedagogy, 983
& methamphetamine, 2769
methods, comparison, 6148
milieu therapy, 1067
MMPI responses, 1075
multiple, in mental hospital, 1001
music in, 7593, 7607
& neurosis, 6385
non-directive, patient experience, 1017
research trends, 1078
non-Freudian, 1056
non-medical, 4490
& Oriental philosophy, 7625
P-technique in, 1036
Papal speech on, 2711
& pastoral care, 1037
patient, response, predicting, 1748(t)
selection, 4420
Pavlovian theory, 1051, 6147
personality, factor analysis, 6119
factors, 2741
modification, 2786
shifts, 4432(a)
& philosophy of life, 6149
& physical therapy, 6052
physiological changes in, 1055
pitfalls, 1033
prediction, individual behavior, 4427
& Rorschach, 7627(a)
presuppositions of, 1039
with prisoners, 2979
in private practice, 1052
process organization in, theory, 4416
prognosis, Rorschach, 1030, 1070, 4374, 4377
progress, measuring, 8748(a), 8763(a)
projective tests in, 6111
in psychiatric nursing, 4438
in psychiatry, 20th century, 1165
& psychoanalysis, 2699
Freudian, 1044
psychoanalytic, aspects, 8741
vs. dynamic, 7600
psychobiologic, 1053
& psychological examination, 2753
of psychosis, 7837
in psychosomatics, 1393, 6112, 6142
goals, 1400
& psychosurgery, 4420
public health aspects, 990
rationale, 6200
recorded interview, 4489
reflective hypothesis, 2752
& religion, 1019, 6130, 8273
& religious, confession, 7602
conversion in, case, 987
in remedial reading, 3195
resistance in, 1050
to hypnosis, 2719
& regression, 4444
response to, scale, 6072
responses, rating scale, 6080
review, 1144, 6138, 8702
Rorschach, prediction, 8753(a)
prognosis, 6113
of schizophrenia, 1051, 1336, 1339
schools, anxiety, interpretation, 8744
scientific research in, 6143
& self, attitudes, 993
awareness, 1069
-hypnotic dreams in, 2763
silence as, 1000
social, factors, 1072
role, 2634
& socioeconomic status, 7564
sociological approach, 1015
& soul concept, 2768
in Soviet hospitals, 6118
& special education, 6561
in stress disorders, 1382
supervision, of psychiatric residents, 220
support, 2770(a)
TAT &, 971
tele-transference, empathy, 4457
tension changes in, 1050
test performance changes in, 4410
textbook, 2735, 2774, 7568, 7599, 8774
theoretical bases, 4470
theory, textbook, 1048
therapeutic factor, 2729
therapist, participation, 2713
-patient communication, 4460
therapist's, feelings, 1003
understanding, 8764
time in, factors, 1764(t)
total, case, & clinic team, 4424
push program, 7616
training in, 8340
supervision, 1948
in tuberculosis, 1386
& values, 6105, 7632
verbal, behavior changes, 1046
response techniques, 6729(t)
& world view, 2709
by written communication, 6091
(See also Counseling; Psychoanalysis (therapy))
Pubertas praecox, psychological development, case, 7676
Puberty, rites, psychoanalysis, 7391
Public health, institute, evaluation of, 8699
nurse, mental hygiene education, 2561
& psychotherapy, 990
Public relations, in medicine, 1684
Puerto Rican, child, deaf, education, 3253
N.Y., intelligence, 544
preschool child, IQ, 2471
vestibule classes, N.Y., 7982
Puerto Rico, children's color preferences, 8030
cultures in, 4202
fertility trends, factors, 752
intelligence screening tests, 7234, 7235
rural communities, 4211
types, 4204
Pulfrich effect, as asymmetric phenomenon, 8447(b)
explanation of, 8443(b)
intrinsic characteristics, 8417(b)
Pulver, M., biography & portrait, 3648
Punch card, for dichotomous variables, 3566
for test scoring, 6809
Punishment, in learning, avoidance hypothesis, 7141
theory, 538
in non-correction situation, 8538(a)
Pupil (eye), dilation, innervation, 5352
nerve path, 1974(a)
light reflex pathways, 2092
reaction & EEG, recording, 6359
Pupil (school), achievement, & classroom environment, 7946
& school perceptions, 7985
variability, 9038
adjustment, sociometry, 6531(b)
attitudes toward, education, 8031
school, 3243
color preferences, 8030
difficulties, textbook, 6580
emotional screening, 4914
group characteristics, 4897(a)
hearing test survey, 5483
nonpromotion, effects, 8961
peer status, & personality, 1514
personality, & school problems, 4878(a)
& teacher attitude, 6572
progress, teacher judging, 8090
school-life maturity traits, 3239(a)
science information & attitudes, 7959
slow learner, 4900
social acceptance, & achievement, 8015
& mental health, 6528
sociometric, choice & personality, 6545
status, teachers' judgment, 6534(b)
teacher, personality, 6097
relations, 4960(a)
teachers' choices, 4961
transfer, intelligence & social acceptance, 1507
visual, screening, methods, 6975
survey, 8448
vocabulary development, 8981
written composition, 8977
Pupillometer, infra-red, 1831
Purdue Pegboard Assembly Task, group performance, 3345
Purdue Rating Scale for Instruction, reliability, 6601
Purkinje-Sanson, image viewer, infra-red, 1831
Purpose, & learning theory, 3975
Pursuit, apparatus, electronic, 5195
movement, bilateral transfer, 3858
performance, & click reinforcement, 3981
rotary, motivation & practice, 2203
rest period, 464
task, drug effects, 2178
& motion sickness drugs, 2177

Q-technique, description & critique, 140
research use, 120
social desirability as variable, 5666
textbook, 6810
Quality, measurement, & quantitative adverbs, 6763
Quantitative, adverbs, a quality measurement, 6763
Questionnaire, anonymity factor, 4995
attitude, components, 2464
construction, mechanics, 6804
& use, 1561
consumer survey, bias, 3434
direct vs. indirect questions, 8223
for evaluating educational program, 6072
for group tension, 2458
item grouping, effects, 2467
mail, return rate, 4178
opinion, attitude dimension, 4185(a)
personal history, reliability & validity, 3354
as personality tests, 7517
psychiatric, presentation, 2637(a)
social acceptance, comparison vs. rank order, 735
statistical interpretation, 5206
validation method, 2458
vs. forced choice, personality tests, 4355(a)
Quinine, labyrinth effects, guinea pig, 2133

Rabbit, eye, rhodopsin in, 8423, 8444
wild, grazing behavior, 5555
Race, attitudes, & aesthetics, 580
Arab Near East, 2494
child & parents, 740
children, 5759
changes, 766
India, 2470
measuring scale, 734
Negro, status, 761
vs. white, 5892
characteristics, psychological traits, 7390
& class, rural Brazil, 779

concept of, 2508
definition of, 776
differences, age of presbyopia, 2375
health complaints, 7916
intelligence, Israel, 2492
Puerto Rican, 2471
significance, 761
TAT responses, 5888
technical training, 6637
interest patterns, 1695(t)
& labor leaders, 5027
Nisei workers, 4987
non-white, family characteristics, 4189
preference, child, Hawaii, 5755
prejudice, & Catholicism, 7395
& children, 606
& discontent, 7392
Negro, & white students, 2475
in nursing, 746
& war, 5887
& progress, historical, 755
relations, in employment, 751
& evidence, 5882
& housing, 796
research, 745
non-segregated schools, 6547
& public policy, 764
questionnaire, 2458
research in, 747
education, 736
evaluation, 741
trends, 756
study methods, 2497
urban attitudes, 812
segregation, & emotional problems, 7400
skin color response, child, 4085
Racism, & human relations, 4248
Radar, observer, aircrew, emotional adjustment, 9113
scope, interpretation, 5058
target detectability, 3391
perception, video-noise, 3402
signal discernibility, 8239
Radiation, behavioral research program, 8300
Radio, audience reaction, 4270
children's listening habits, 850
listening, Middle East, 4258
operator, course, success prediction, 8007
repairman, course, success prediction, 8008
& television, preferences, 2545
Ram, Parsi, obituary, 1917, 6840
Random walk, technique, operations research, 5223
Range effect, error curve, 5548
Rank, tests, power of, 134
Rank, O., biography & psychology, 175
Ranking, calculating means, 97
by peers & supervisors, 6654
value of particular object, 1903
Rapport, in clinical testing, 2622
Rapunzel, psychoanalysis of, 7238
Rat, behavior, fear, food poisoning, 2935
emotional defecation, 3846
food selection, 5488(a)
handling, & stress mortality, 3896
insight, in maze, 1762(t)
intelligence test, 8508
Norway, domestication & genetics, 429
oddity problem solving, 532
oestrus cycle, 416
response patterns, 5524(a)
social learning, 5638
stereotype behavior, 5564(a)
taste, vs. human, 316
visual, depth perception, 5435
world, 5436(a)
wild, reaction to odors, 5384
wildness, & bait shyness, 5544
Rater, valid, index for, 6764
Rating, anonymous vs. identified raters, 8180
buddy, meaning of, 5872(b)
criterion, job elements, 8221
descriptive, biasing factor, 6624
disparate entities, correspondence, 5662
efficiency, methods, 8131
system evaluation, 1610
executives, method, 3362
of experience, problems, 8142
forced choice method, 3536
indices, factor analysis, 6819
interpersonal relations, effects, 9096
merit, (See Merit rating)
observation effects, 6768
paired comparison, factor analysis, 4992
patterns, & judgment numbers, 5869
performance, employee, 5045
method, 9101
personality, vs. MMPI scores, 3639
quantitative adverbs, for quality, 6763
& raters' ability, 8132
reliability, index, 8123
job concept interview, 3469(t)
& observation, 1607
scale, categories, & information, 5944
L-M Fergus Falls, 2657
psychosis severity, 6351
of Robert Owen, 5281
for wage administration, 8226
self, reliability & categories, 928
of supervisor, factor analysis, 5037
& supervisory level, 8224
validity, 8179
criterion independence, 8184
forced choice, items, 8182
vs. scale, 8186
hard vs. easy raters, 8154, 8187
& order of rating, 8181
& rater characteristics, 8622, 8188
& scale types, 8185
single vs. multiple raters, 8183
Ratio, performance, complex vs. simple, 8493(a)
Rationality, economic principle of, 4227
Rationalization, of test behavior, 7550
Rayleigh ratio, & color-temperature, 356
Reaction, static, & psychomotor development, 7103
Reaction formation, & experimental conflict, 5680
Reaction time, blink & eye movement, 2074
& distraction, feebleminded, 1196
& emotional tension, 411
kinesthetic, method, 2158
& movement speed, 5549
in old age, 665
& perception complexity, 2179
& preparatory set, 442
of psychotics, 3043
in schizophrenia, 7827
& stimulus information, 412, 1723(t)
tactile, 7090
visual, & luminance, 8463
& α rhythm, 371
Readability, candidate speeches, 872
flicker, & low contrast, 8241
format, & communication, 8683(a)
index, reliability, 842
validity, 874
of primary reading texts, 3223
of standard tests, 8729
of standardized tests, 3290
of training literature, 1478, 1489
(See also Flesch Index)
Reading, ability, & auditory characteristics, 1492
& bilingualism, 4835
& intelligence tests, 4342(a)
& literary appreciation, 6517
achievement, & galvanic skin response, 4853(a)
test prediction, 4860
& word attack, 7956
adaptation, delayed side tones, 5475
agnosia, case, 1264
& behavior problem, case, 8060
children, & television, 8009
choice, non-fiction, trends, 6481
clinic, psychologist in, 6878
clinical study, 6501
college, improvement, 3192
comprehension, college student, 8968
contours, eye fixations, 8967(b)
corrective class grouping, 6482
& dawn brightness, 3817
devotional, & egocentric demands, 7725
disabilities, causes, 6505
from central lesions, 4839
clinical diagnosis, 4830
college level, 8982
& EEG, 4593(a)
group therapy, 4824(a)
& perceptual retardation, 7966
textbook, 4840
ease, & writing, 1487
eye movements &, 7999(b)
& exophoria, 4859
failure, & blood cell count, 6490
emotional bases, 8979(a)
fatigue, & critical fusion frequency, 3424
gifted child, 3224
habits, college student, 3240
& history achievement, 1461
& home & development, 3220
improvement, of executives, 8112
& materials, 8002
student nurses, 1494
tachistoscope training, 3222
textbook, 8011
training in, 1481
interest, airmen, 6506
& intermittent light, 8421
learning, 1476
& play therapy, 3213
by subnormal, 9016
textbook, 6486
& visual defects, 8975
light intensity preferred, 7026
& listening training, 7981
material, & vocabulary, 7960
& oral language, 1459
perceptual span in, 7983(b)
& personality, 3216
development, 6507
& phonic knowledge, 8003
poetry, junior high school, 1469
primary, 8983(a)
learning process, 6502
problems, vision in, 3215
program, first grade, 4848
readiness, & auditory discrimination, 4822
& Rorschach signs, 6510
visual aids &, 1524
remedial, clinic, & achievement, 8996(a)
college course, 3188
& emotional problems, 3195
learning plateau, 7974
motivation in, 4829
program of, 8990
with slow learners, 3206
research in, 8000
review, 1477, 7975
retardation, & emotional problems, 7997
& personality, 8001
factors, 7958(a)
retarded, college, & personality, 1493
group therapy, 6491
kinesthetic recognition, 6492
& vocabulary, 3219
reversed, & mirror vision, 7991
silent, & vision, 1471
skill, & general ability, 8005
improving, college, 7967
& subject matter, 3197
& vocabulary, 6520
speed, executives, training, 3204
improvement, retention, 8988
& type size, 4841
& vibration, 1497
& visual perception, 7962
status, 5th grade, factors, 8976(a)
teaching, brain injured, 7970
to crippled child, 8997
handicapped, 9018
methods, 3200
parent manual, 3189
script text, 3203
tachistoscopic method, 7978
test, college freshman, 4817(a)
mathematical content, 6495(a)
readability, 3223
training, & critical thinking, 1466
Naval Academy, 7994
& vision, children, 4972
review, 4818
visual, factors in, 6498
perception in, 4812
& vocabulary, 3205
Realism, critical, critique, 5178
in modern psychology, 5153(b)
Reality, flight, & ego regression, 7709
objective, non-subjective knowledge, 6741
past & present, 4012
& pleasure, in fantasy, 457
testing, in psychoneurosis, 3049
Reasoning, ability, & developmental factors, 8554
factor analysis, 2248, 4015
inductive, & probability, 5194
test, factor analysis, 5640
vs. Army classification tests, 7205
verbal, practice distribution, 7181
Recall, factors in, 8535(a)
favorable vs. unfavorable material, 7185
incident, age, & significance, 5976
incomplete task, & ego strength, 7217
of interrupted tasks, 7108
& item categorization, 1744(t)
memorization during, 2229
perception & valuation in, 3451(t)
random associates, clustering, 7135
& relaxation, effects, 1686(t)
selective, & psychoanalysis, 5110(t)
& serial position, communication, 2538
simulated, & memory, 7146
symbol, sex differences, 5106(t)
task, & ego strength, 7222
verbalization effects, 498
Recidivism, in adults, factors, 8868
in juvenile delinquency, 7800
reformatory inmates, 6330
Recognition, factors in, 8535(a)
perception, & valuation in, 3451(t)

perceptual, anxiety & defense, 1741(t)
& verbalization effects, 498
Reconstruction, & screen functions, 7661
Records, camp, therapeutic, 2795
Recreation, family, opinions on, 7304
programs, 835
in feebleminded institutions, 2051
mental patients, 7610
old age program, 2386
Recruitment, hearing, theory, 2141
loudness, review, 2136
Reflection, of energy, & consciousness, 78
Reflex, accommodation, & color vision, 6974
minimum stimulus, 6964(a)
ciliospinal, 1974(a)
conditioned, American research, critique, 8360
chain, mechanism, 8544
channelization, 2006
& child development, 8591
generalization, 8390
intoxicants, effects, 8384
& ontogenesis, 8573
in psychiatry, 2812
cremasteric, 431, 439
in insulin coma, 6755
& muscle gamma efferents, 8362
nature of, 410
palpebral, & hearing loss, 5480
pinna, & brain X-irradiation, 3703
pneumovascular, conditioning, 8537
silkworm cocoon construction, 2187
spinal, time, & age, 8574
use & disuse, effects, 8375
stretch, neural localization, 5500
tonic neck, in child, 7264(a)
Refugee, adjustment of, 7669
Regression, act, & inhibition & generalization, 3986
alternatives, randomness tests, 6812
analysis, autocorrelation in, 6771
definition, & measurement, 6124
linear, & curvilinear, 3486(t)
lines, concurrent, significance, 8318
multiple, coefficients, confidence, 6785
non-linear, controlled variable, 126
statutes, coefficient information, 6786
Regulation, concept, in medicine, 80
Rehabilitation, centers, directory, 6832
in chronic neurologic disease, 8949
client evaluation, 6459
crippled, program, 8956
emotional aspects, 3153
of feebleminded, & parents, 7704
group dynamicism, 4162
industrial, mental disorders, 4407
mental patients, money in, 3018
review, 6121, 8897
periodicals, bibliography, 4789
physical, & feeblemindedness, 4537
physically handicapped, 1440
textbook, 3155
post-accident, vocational, 3164
post-lobotomy, 1062
program, evaluation, 4788
training, Europe, 6457
of visually handicapped, 7923
vocational, feebleminded, 1180, 2857
in mental, hospital, 8758
patients, 7572
Reich, W., psychoanalysis, theories, 6850
Reik, T., biographic note, 1927
letters, from Freud, 3632
Reinforcement, & activities attractiveness, 3920(a)
click, & motor performance, 7100
& clustering, associate learning, 2206
& conflict behavior, 3942(a)
delayed, & sustained behavior, 2212
differential, & concept formation, 7192(a)
patterns, & motivation level, 7179(a)
discrimination learning, 3978
elicitation hypothesis, 8533
& extinction resistance, 5622
& form discrimination, rat, 4036(a)
generalization, to synonyms, 1690(t)
gradient, & knowledge of results, 3917(a)
learning, child, 6523
non-differential, 7137
non-nutritive, rewards, 1697(t)
sweet reward, 3034(a)
partial, & extinction, 7189
patterning effect, 5605
verbal responses, 7160(a)
vs. continuous, 521
primary, children, 533
& need reduction, 3998
random, & extinction, 539
ratio, & extinction, 509
& response strength measures, 8530(a)
secondary, & choice-point behavior, 8632
& consummatory behavior, 3931
discrimination, cues, 4000
learning, 3929
& hunger drive, 803
& practice, 7173
reduced, latent learning, 1778(t)
regular vs. periodic, 478
serial learning, 4001(a)
& stimulus intensity, 8526(a)
S-R theory, of extinction, 7149
spaced responses, 4002
specific vs. variable, 500
sucrose concentration, 7153
verbal, classroom learning, 4945
& practice distribution, 3184
school learning, 1460
time distribution, 8534
(See also Learning)
Relaxation, active, therapy, 6093(b)
biology of, & personality, 53
& recall, 1686(t)
training, & motor skill, 8525(a)
Relay, electrical latch, 1829
Reliability, coefficient, interpretation, 1900
formulas, & experimental independence, 3578
relationships between, 3582
& item difficulty, 8312(a)
split-half, mental tests, 6793
Religion, beliefs, of college student, 1509
& personality, 5102(t)
blindness cure, case, 3156
of children, 7283
confession, & psychotherapy, 7602
& consanguinity, 4243
conversion, 2526
in psychotherapy, case, 987
& counseling, 911
experience, & psychotherapy, 2717
Freud, 802
high school student attitudes, 3241
& human rights, 826
ideologies, opinion shift, 4213
instruction, school, effects, 4825, 4826, 4856
love of God, 783
meaning, individual differences, 829
Menorah, psychoanalysis, 784
& mental, disorders, 8802
hygiene, 7479
Mithraism, 7420
monotheism, psychoanalysis, 2515
& personality needs, 4033
& post-poliomyelitis, 6458
& psychiatry, 4221
& psychoanalysis, 787
review, 8635
& psychology, 7417
& guilt, 2520
& psychopathology, 823
& psychotherapy, 1019, 6130, 7632, 8273
reading, & egocentric demands, 7725
& role assignment, high school, 1518
& science, 17
Shakers, 5902
social correlates, 3024
& superego, 7676
symbolism, child analysis, 4557
symptoms in schizophrenia, 3006
& unloving person, 822
values, adolescents, 2340
Virgin Mary, in doctrine, 2524
Remembering, digit, audience influence, 496
Reminiscence, & paired-associate learning, 2231
transposition theory, 3987
Renifleurism, case, 1254
Report, clinic, writing, 2568
psychiatric, for courts, 4628
psychological, writing, 3670
Repression, & anxiety, 2891
basis of, fears, 4444
completion-incompletion, vs. success, 4051
experimental study, 7746(a)
Research, action, in education, 3171
basic vs. applied, 5056
emotional preparation for, 6711
evaluation, 733
free vs. design, 1837
methods, in psychiatry, 1147
psychoanalysis, 91
social, psychology, 3542
science, 4177
organization, administration, 6708
personnel problems, 6613
psychiatric, methods, 1830
patient selection, 4515
problems, 6301
in psychoanalysis, 3527
psychological, government support, 5326
psychology, problem discovery, 3544
use of human subjects, 6752
social, design of, 5844
ethics of, 5850
international conferences, 5848
& moral values, 5854
results vs. techniques, 4134
science, generalization, 2468
sociological, personal factors, 8648
& spatial arrangement, 8482
team, & science culture, 1838
workers, evaluation, 5001
Resistance, in therapy, 1050
Respiration, rate, in conditioning, fish, 493
Response, delayed, non-spatial, 5608
fixated, specificity, 5801
interpolated, & spontaneous recovery, 6724(t)
motor, compensatory, 7083
patterns, rat, 5534(a)
& single stimuli, 6942(a)
photomyoclonic, man, 7074(b)
rate, rest & effort, 5490
signal, of dog, 7099
similarity, & motor transfer, 3953
simultaneous, interaction, 5583
Responsibility, child training in, 5738
in children, 8599
concept, Adlerian psychology, 81
criminal, & culture, 8318
& psychic determinism, 5164
Rest, effort, & response rate, 5490
Retardation, educational, Great Britain, 6522
Retention, electronics fundamentals, 1501
measure, extinction as, 3945
motor task, & transfer, 7142
& rest-interval, & meaningfulness, 2204
set, & incidental learning, 2202
Reticence, in narcoanalysis, 903
Retina, biochemistry, review, 2097
rhodopsin, 5470
& vision, 5469
cone pigment, cyanopsin, 5471
dog, structure, 3806
electrical, sensitivity, color fields, 5414
stimulation, color processes, 3804
frog vs. human, visual purple, 8413
image area, & flicker fusion, 6958(b)
localization of function, 2122
photochemical reactions, 7038
pigeon, spectral sensitivity, 6972
pigment, optical density, 5462
regeneration rate, 7039(a)
representation on cerebral cortex, 6906(a)
scotopic sensitivity distribution, 360
traces, & movement perception, 3802
Retinene, isomers, 346
Retirement, adjustment, favorable, 686
criteria for, 4107
industrial workers, 2383
leisure, & adjustment, 5777
post-, industry practices, 658
professional, men, 2377
worker, 662
social, life, organized, 5785
problems of, 5780
roles in, 5769
teacher, personal adjustment, 8100
Retrolental fibroplasia, & maternal rejection, 6445
Reward, 7359
Reymert, M. L., obituary, 5285
Rheumatic fever, emotional aspects, 7857
personality &, 4710
Rheumatism, psychosomatic, case, 1404
Rhinencephalon, injury, & behavior, cat, 6919
Rhodopsin, molar extinction, 5470
in rabbit eye, 8423, 8444
& vitamin A, 347
Rhythm, Drake test, 4396
motor accompaniment, & posture, 8483
Rifle, aim steadiness, apparatus, 1830
Rigidity, attitude, & ideology, 9026
& authoritarianism, 5665
& concept formation, 569
& discrimination learning, 471
Einstellung, & personality, 7229
test of, 5675
in family structure, 2518
& feeblemindedness, 4531
intellectual, & social attitudes, 2406
functioning, 1699(t)
in problem solving, 2345
& stress, 550
& Rorschach, 2626
& shock therapy, psychosis, 3020
Rimrock, community, child rearing, 1708(t)
Riot, & inter-group conflict, 690
Risk, economic behavior, 3864
-taking situations, behavior, 1752(t)
Rockefeller Foundation, report (1952), 3622
Rocket Launching Test, reliability, 8171
Rocky Mountain Branch of APA, proceedings (1953), 8262

Rodent, olfactory & visual receptors, 2032
smell receptors, 3724
Rogers, C., psychotherapy theories, 2737
Róheim, G., obituary, 3650, 5275
Role, assignment, & religion, 1518
behavior, leader, social influence, 8622(a)
conflict, leadership, 4151
& personality, 2429
in human existence, 6077(b)
playing, for administrators, 8619
argumentative, 8651(a)
in counselor training, 8994
in education, 4869
in industrial problems, 5024
in psychiatric training, 8346
vs. script, personnel training, 8120
reversal, in labor-management relations, 1641
social, & self attitude, 4039(a)
taking, activity, & speech behavior, 7348(a)
& Four Pictures Test, 4402
& sex status, 791
Rorschach Test, administration, ethics in, 2688
of adolescent recalcitrant boys, 8863
affective symbolism, 2625
anxiety, content, validity, 8722
& stress, 6061
& behavior, changes, 6159
correlates, schizophrenia, 8898
Behn-, card choice technique, 7561
card preferences, 2659
Card VI, sex offenders, 7787
child perception on, 6012
children, interpretation, 2635
& perception, 4082
(pre-school), responses, 6058(b)
& clinical data, 4346
coaction compass analysis, 957
& college, achievement, 4858
student art, 4319
color, effects, 7509
response, 7521, 7532
validity, 4366
role in, 8726
shock, 8709
hypothesis, 8736(a)
validity, 952
content, analysis, 4335, 4389
symbolism, 2696
in counseling evaluation, 4920(a)
definition & ego involvement, 4337
& developmental periods, 2588
deviations & diagnosis, 2620
& diabetes mellitus, 3091
in diagnosis, & treatment plans, 8732(a)
diagnostic values, 6067
& ego strength, 3907(a)
in electroconvulsive therapy, 3001
enuretic responses, 2926
in erotomania, 2894
evaluation method, 963
examiner influence, 949, 1743(t)
experience balance, & behavior, 6726(t)
experimental set, 4351(a)
eye content responses, 2690
F+, & alcoholism, 4592
with feebleminded, 6205
Feldman's F+ ratio, 7518
form level scores, 6059
free association vs. inquiry, 6027
in general medical practice, 2613
group, & vocational guidance, 3454(t)
human movement response, children, 2649
intellectual, control in stress, 4340
function, & adjustment, 2812
scores, factor analysis, 4404
intelligence, & verbal fluency, 958
International Congress, report, 3621
interpretation, textbook, 926, 2686
intropunitive, & extrapunitive signs, 6048(a)
introversion-extratension measure, 7506
in involutional melancholia, 6585
in Italy, 7543
life-stress measure, 6018
M, determinant & color, 2608
& motor inhibition, 2656
responses, classification, 4328
manual, 2607
movement responses, training, 4332
multiple choice, category scoring, 6054
schizophrenia, 1754(t)
neurotic signs, 5734
normal men performance, 7562
normative data, 7540
organic signs, in brucellosis, 3093
pathological thinking index, 2686
patterns, & college major, 6715(t)
in schizophrenia, 7556
perception, & figure-ground contrast, 8713
perceptual, analysis, 4366
consistency, 4360
control on, 4429
regression, 4650
performance & inquiry parts, 6036
& perceptual training, 7534
& personality, shifts, 4431(a)
theories, 8737(a)
of physically handicapped, 1438
popular responses, 941
prediction in, 2693
predictive variables, 2658
preference for sexually suggestive cards, 948
prisoner responses, 6327
productivity & presentation order, 959
profile analysis, 6770
Prognostic rating scale, 1748(t), 6113
protocol content, 6020, 6021
examiner's influence, 7524
psychiatric use, 2632
psychoneurosis vs. schizophrenia, 1163
psychopath differential diagnosis, 8731(a)
psychosexual indicators, 4331(a)
psychosis vs. psychoneurosis diagnosis, 2616
& psychotherapy, duration prediction, 6101
prediction, 1030, 1070, 2701, 4374, 4377, 7627(a), 8753(a)
& reading readiness, 6510
responses, in hypnosis, 6013
number, reliability, 6064
& scoring categories, 942
& stress, 8734
& rigidity, 2628
in schizophrenia, 2995
score & examiner personality, 2670
& self, acceptance, 930
conflict consciousness, 4392(a)
& sex deviant behavior, 2927
signs, judgment agreement, 2631
statistical intrarelations, 7535
& stress anxiety, 8853(a)
& suggestion, 7536
talents, & intelligence, 6026
test situation, effects, 2644
textbook, 4390, 7533
Trukese responses, 8668
validation, schizophrenia, 6051
variables, graphing, 6037, 6038
vs. Behn-Rorschach, 2670
vs. Bender Gestalt, 7515
vs. H-T-P, 3645
vs. Levy Movement Test, 2609
vs. Szondi, 4554
vs. TAT, 2675
WF, orality measure, 6033
water responses, alcoholism, 2939
weighted scale & psychogram, 4388
white space, & aggression, 8723
& oppositional behavior, 8711
Roscoe B. Jackson Memorial Laboratory, 162
Rosenzweig Picture Frustration Study, Brown adaptation, social aptitudes, 7382
college student vs. prisoner, 8719(a)
diagnostic validity, 7511
performance, & intelligence, 4364
with stutterers, 2957
& suicides, 4602
Rossini, music, psychoanalysis, 591
Rotation, apparent, postural illusion, 306
habituation, & oculogyral illusion, 2077
transfer, 5392
& vestibular stimulus, 3837
illusion of, 2022
speed, & acceleration, & nystagmus, 2137
tumbling, reactions to, 8264
ROTC, student selection, 8094
Roughness, discrimination, & brain areas, 2046
Rubin, E., obituary, 3645
Rumor, communication, in Russia, 7443
dispersion factors, 3537
message diffusion, 4263
Rumner-Seavers Personality Questionnaire, mental disorders vs. normals, 3479(t)
Rural, attitudes, high school, 8032
child, science attitudes, 7959
child care practices, 8588(a)
communities, leadership, 4211
types, 4204
crime, 6296
family, changes, 795
intelligence, 8556
living, adolescent attitude, 4071
males, suicide rates, 1247
mental hygiene clinics, 2506
migrants, vs. non-migrants, personality, 8673(a)
Negro, family limitation, 5899
neighborhoods, 838
organization, participation, 7412
& self, 7413
psychiatric consultation, 5988
school, & exceptional child, 8055
guidance in, 4922
mental hygiene clinic, 3272
social stratification, 728
Israel, 785
sociology, textbook, 2449
-urban, fringe, research in, 8644
social group, 4230
opinion differences, 789
Russia, farmer characteristics, 778
physiology, Pavlovian, 8325
psychology in, 8342
social status, 2516
verbal communication in, 7443
(See also Soviet)

Saccharin, acceptability, concentration, 3700
intake, & caloric need, 3859
Sade, Marquis de, biography, 8277
psychoanalysis, 5694
writings, collection, 8275
Sadism, case, 6243
psychoanalysis, case, 4555, 4556
Sadness, normal vs. pathological, 7737
Sado-masochism, & German literature, 587
Sado-Masochistic Attitudes Test, 7731
Sailor, job motion study, 1655
recruit, personality, 4119
Sakellariou Personality Scale, 1851
Salamander, electro-seizures, 5373
Sales Comprehension Test, 5199
Sales Motivation Inventory, 5200
Salesman, evaluation form, 8152
insurance, training, evaluation, 8266
selection, validity, 6646
Saliva, collection, apparatus, 5193
Salivary center, excitation irradiation, 5614
Samkara, psychology of, 1934
Samoa, youth in, 2427
Sample, double, test procedure, 3601
matched, method, 5853
small, comparison of, 3584
up-and-down method, 1858
variances, correlated, 1888
Sampling, double, estimation by, 118
& interview willingness, 5861
marketing research, 5082
methods, development, 4182
principles of, 6780
in psychiatric research, 1830
quadrat, distributions, 144
single, fixed sample size, 1870
survey, textbook, 5855, 5856
techniques, textbook, 116
variance, univariant discrimination, 133
SAM Sentence Completion Test, in psychiatric screening, 4399
Satiation, & choice behavior, 5633
& fatigue, 5504
Saving, Negro-white differentials, 4205(a)
Scaffold, work, errors in, 8229
Scaling, interview data, 5862
method, employee check-list, 1605
multidimensional, 3609(a)
reference groups, importance, 3573, 3610
techniques, comparison, 141
Scapegoat, motif in society, 4157
& superego, 2190
Schizoid, term, meanings, 7677
Schizokinesis, vs. autokinesis, 3050
Schizophrenia, abstraction & mecholyl response, 7831
acetylcholine shock therapy, 1314
& adrenal steroids, 2999
adrenocortical, functions & electrotherapy, 1704(t)
physiology, 3000
affect, & art in, 1351
ambiguous figure fluctuation, 3137
amino acid metabolism, 1302
analysis of, 6124
art, & modern art, 6368
attitude toward life & death, 8895
autonomic balance in, 1718(t)
behavior, correlates of Rorschach, 8898
patterns, 2994
Bender Gestalt performance, 3024
Bleuler's concepts, 3628
blood chemistry, & electroshock, 6345
borderline, psychoses, 2993
psychotherapy, 3005
braille hallucinations, case, 6448
& brain, functions, 8904
pathology, 1347
case, 6352
catatonic, metabolism, 1318
child, diagnosis, 6221
& ego disturbance, 7741
music reactions, 3030
residential treatment, 6349
childhood, 1338, 6338(a), 7803
behavior, 1315

diagnosis, 6339, 7812
nature of, 3040, 6337
choline esterase in, 8903
clinical classification, 1325
cognitive processes, 5109(t)
color, pyramid test, 7813
vision in, 8679(b)
community adjustment, 1337
cortisone & ACTH, 8863
critical flicker frequency, 7823
deteriorated, sodium amytal effects, 1329
diagnosis, Pavlovian theory, 3009
differential diagnosis, 2986
disturbed, group psychotherapy, 2991
double cancellation performance, 1307
drawings, sex differentiation, 3032
EEG, & age, 7673
& electroshock therapy, 8862
ego disturbance in, 4642
Eight Card Redrawing Test, 4338
electrodermographic curves, 2990
emotionality, case, 7811
eosinophil, count, & shock therapy, 7838
response, 8900
variation & insulin coma, 3029
Eskimo witch-fear, 4188
etiology, experiential, 1350
family, constellation, 6364
factors, 7840
figure drawing test, 4686
finger, movement, ergography, 4636
tremor, & deterioration, 6346
Fleury's classification, 7842
goal setting, failure, 7835(a)
group, psychotherapy, 2756
therapy, interaction, 4670
& leader role, 6721(t)
handwriting in, 6342
& electroshock, 3012
head trauma, self induced, case, 1324
hebephrenia, dreams of, 5003
histopathology, 6374
homosexual word perception, 2989(a)
& homosexuality, case, 2992
human figure drawing, 3042
hypnosis in, 7571
incidence, 1317
& infantile vegetative-somatic trauma, 3033
insulin, coma, behavior changes, 6369
& electronarcosis in, 8880
physiological reactions, 2760
& psychotherapy, 6333
reflexes, 8755
therapy, 8886
sensitivity, 3028
shock, & Rorschach response, 7830
tolerance, 3013
treatment, 8881
inventor, case, 1306
Isonaizid in treatment, 7805
laughter in, 1308
learning, cooperative, 6761
leucotomy in, 6356
lobotomy, & intelligence, 1346
psychological changes, 4468
rehabilitation, 1062
twin, 4641
& maternal dependency, 6331
metapsychology of, 7818
mind-reading delusion, 2823
& mothers' attitudes, 3010
multiple choice learning in, 4667
musician, psychoanalysis, case, 3021
myoclonic threshold, 2986
nature of, & early diagnosis, 6350
Negro, personality organization, 1714(t)
neurodynamic blocking, 3015
nosography of, 1305
nucleus basalis pathology, 1348
nystagmus in, 4659(a)
older, tests performance, 1322
organic etiology, 7832
orgasm, spontaneous, 1333
paranoid, case, 1341, 6336, 6366
distortion scores, 1311
factor analysis, 7815
& parental deprivation, case, 6370
paresthesias, codeine, case, 1312
pathogenesis, sexual factors, 8894
pattern, in brain injury, child, 7900
peptic ulcer in, 7826
perception, & shock therapy, 4679(a)
perceptual, regression in, 4650
structuralization, 4675
performance, disparagement effects, 6727(t)
personality of, 7836
structure in, 1349
photo-metrazol sensitivity, 4660
pituitary, -adrenal cortex reactivity, 6348
-suprarenal function, 4654
pre-psychotic phase, case, 1323
process vs. reactive, 3002
prognosis in, 1309
Rorschach in, 1352, 2998
progress, evaluation, 3011
projective test responses, 1330
pseudo-, child, case, 6339
psychoanalysis, case, 4665, 5698
psychoanalytic theory, 7808
psychodrama therapy, 4653
case, 6131
psychodynamics of, 6343
psychotherapy, 1051, 1339
intensive, 7817
out-patient, 1336, 6358
reaction time in, 7827
recurrent, case, 6340
religious symptoms, 3006
remission, social worker &, 6373
research in, 8891(a)
review, 6197
Rorschach, multiple-choice, 1754(t)
patterns, 6051, 7556
responses, differential, 2995
Rosenzweig P-F, 7511
self, concepts, 1712(t)
symbolization, case, 6363
semicarbazide & photic stimulation, 1334(a)
sexual role conception, 4684(a)
shock therapy, & pentothal, 1331
relapse in, 3019
signal systems interaction, 8905
sleep EEG, 5115(t)
social, behavior, factor analysis, 4639(a), 6341(a)
class, 7819
work research in, 1304
span of apprehension, 7119
speech peculiarities, 6359
stress, reactions, 1722(t)
& serum toxicity, 4643
subarachnoid haemorrhage, case, 1310
symptomatology, & diagnosis, 8888, 8896
syndrome, 8899
TAT reactions, 8893(a)
testes, morphology, 4680
thinking, overinclusive, 6347
total push program, 4644
in twins, 1342
types, identification, 2984
verbal, communication, formal aspects, 7833(a)
concept acquisition, 7802(a)
vs. brain damage, thinking, 3450(t)
vs. organics, intellectual deficit, 6365
vs. psychoneurosis, Rorschach, 1163
vs. schizophreniform states, 8884
visual phenomena, 4676
Wechsler scattering of, 4647
Schneider, E., appreciation, 6845
Scholar, European, to America, 12
origins, America, 3441
School, achievement, & vision, 6475
action research in, review, 7949
administrator, role, 4171
teacher rating, 3309
attendance, & social class, 821, 4877
authority, & teacher, 8099
& child's vocational interests, 8586
clinical psychology in, 7638
compulsory attendance, & intelligence, 6473
counselors, training, 4919
dances, & mental health, 6533
discussion groups, & emotional maturity, 8057
drop-outs, factors, 6566
elementary, achievement tests (1939 & 1950), 4930
athletics, attitudes, 4805
guidance in, 1537, 8573
intergroup education, 8902
& personality, 3235
post-activity, Israel, 3173
psychology in, 4797
sociometric status, 9003(a)
visual aids in, 6519
emotional disturbances in, 6565
failure, 1st grade, Israel, 3199
first grade, entrance testing, 3293
grade placement, & MA, 6596(b)
grading, & promotion, 9040
& home, in child development, 7256
relations, textbook, 4799
independent, test norms, 4952
tests in, 1578
individual psychology (Adler) in, 1454
individualities, measuring, 3281
& juvenile delinquency, 2972, 6322
leaders, instructional, evaluation, 9060
learning, factors in, 512
remedial instruction, 1462
mental hygiene, consultation in, 6578
training, 7484
nonpromotion, & attitudes toward, 3243
policy, 8961
non-segregation, child adjustment, 6547
phobia of, factors, 6378
private, test results, 8091
promotion, & achievement tests, 3296
psychiatrist in, 7942
public, competition in, 3231
testing in, 1580
religious instruction in, effects, 4825, 4826, 4856
residential, for blind, 6550
retardation, Paris, 4808
& social, attitude change, 8024
work, & behavior clinic, 6153
& clinic team, 6158, 6569
socialization in, 1508
testing program, & growth study, 3286
visual screening, 8022, 8034
tests for, 361
work, & myopia, 5442
Schopenhauer, A., handwriting, & personality, 185
Schreber, case, 4594
Science, achievement, & interest, school, 6487(a)
attitudes, elementary school child, 7959
behavior, exactness of, 6743
career, girls, reasons for, 6484
college, achievement, 4849(a), 4926(a)
course, problem solving, 1490
cultural patterns, & research, 1838
data interpretation, test for, 7995
development, levels, 3535
fiction, communication in, 7248
history of, essays, 1790
interest, & achievement, college, 3234
law, corrigibility, 5187
laws, in psychiatry, 5184
manpower, collection, 5090
supply of, 5099
metaphysical matrix, 3504
philosophy of, essays, 1790
readings, 1821
synthesis, 49
textbook, 20, 5183
Whewell's, 8299
problem solving, test, 3221
& psychology, 5175
& religion, 17
social, functions, 22
problems, 2416
& society, 5832
terminology, textbook, 5240
theory, psychoanalysis &, 8290
thinking, test for, 2243(a)
value, & social betterment, 5857
Scientific method, in biology, 6751
textbook, 5188
theory of, textbook, 86
Scientist, attitudes, & performance, 1730(t)
behavioral, college origins, 6709
Canada, origin, 6971
career, psychoanalysis, 6710
stresses, 6711
characteristics, research on, 5098
job satisfaction, 5096
personality, 6714
personnel administration, 3333
psychological characteristics, 1956
Rorschach responses, 3443
Score, complex aggregate, short test for, 8235
matrices, raw & deviation, 3580
test, for parent reports, 3295
theory of, 1886
Scoring, configural, & pattern analysis, 6799
Scotometry, apparatus, 3547
Scotophilia, & Cezanne's painting, 4070
Screen, functions, & reconstruction, 7681
Sculpture, African, psychoanalysis, 2304
Season, & recruit ability, 6628
Sebum, secretion, & life stress, 7875(b)
Security, individual, & social, 898
-insecurity, inventory, 1849
Security-Insecurity Test, unweighted scoring, 7555
Sedative, & impregnation, 1208
Segregation, & Negro personality, 4203
Seizure, electro-, drug effects, salamander, 5373
states, personality factors, 7844
Self, acceptance, & aspiration level, 7214
definitions, 7219
measure of, 8705
& Rorschach responses, 930
appraisal course, personality inventory in, 1472

attitudes, & psychotherapy, 993
& social roles, 4039(a)
awareness, & psychotherapy, 1069
& TAT stories, 3482(t)
& body cathexis, 5683
concept, & achievement motivation, 7326(a)
& adjustment, college women, 8016(a)
in cerebral palsy, 8932
college students, 1776(t)
consistency of, 8564(a)
in counseling, 7490
& dependency scale, 4352(a)
& depersonalization, 6008
history, 552
of Wm. James, 3630
& maladjustment, 932
in psychosis, 5112(t)
& social class, 5815
confidence, building, textbook, 6000
conflict, consciousness, Rorschach, 4392(a)
counselor &, in counseling, 1027
description, & pupil adjustment, 6531(b)
-esteem, dynamics of, 3915(a)
evaluation, adolescent girls, 7259(a)
teaching of, 4291(a)
& formal group participation, 7413
government, fitness, measuring, 7416
insight, clinician's, & projective test evaluation, 1711(t)
knowledge, & counseling, 4501
in Maine de Biran's psychology, 1928
nature of, textbook, 552
observation, limits, 1448
organization, & cognitive tasks, 5644
& time perception, 5100(t)
perception, graduate students, 6532
of others, 2581
in stuttering, 7776
psychotherapy, textbook, 1040
reference, & spatial experience, 323
scoring, similarity measures, 4127, 4168, 4170
sense, & thalamus, 5362
& social structure, 4044(a)
vs. group ratings, & insight, 5805
Self Description Blank (Transport), 8155
Selling, comprehension test, 5199
criteria, factor analysis, 1669
motivation inventory, 5200
packaging &, 1665
psychology, textbook, 1667, 3433
Semantic Test of Intelligence, 8190
Semantics, changes, personal sources, 7466
concepts analysis, 7446
general, nature of, 5956
& information theory, 4256
Soviet view, 5954
& theoretical models, 5176
values of, 5972
Semiosis, & mind, 5647
Senoi, culture, & personality, 7409
Sensa, Brood's theory, 5178
Sensation, in animals, 2018
electric, & head retroflexion, 1425
& non-neural injuries, 3127
recovery, spinal cord injury, 3710
textbook, 320
thresholds, randomness, 3741
Sense, acuity, wild vs. white rat, 5544
discrimination, temporal threshold, 3717
organ, turbulence as stimulation, 1799
Sentence completion, Sakellariou scale, 1851
test, attitude to hospital, 7674
Sentence Completion Test, multiple-choice, 8724
& personality level, 4360
Sentiments, & personality theory, 4031
Serialism, & the unconscious, 7113
Series Completion Test, alternate form, 4405
Servomechanism, mathematics, textbook, 149
Set, audience, & comprehension, 5950
biased, perceptual judgments, 3726
& discrimination learning, 488
& distraction, group performance, 2196
extreme, position, in tests, 2615
response, & personality, 4330
learning, & transfer suppression, 515
mental, & anxiety, 3909
& task concretization, 543
& Minnesota Teacher Attitude Inventory, 4968
& perceptual judgment, 6939
& performance with noise, 418
& personality, in social perception, 8630(a)
preparatory, & response latency, 442
& problem solving, 5651
response, & test discriminations, 8506(a)
solution, anagram classes, 3972, 3973
speed vs. accuracy, typing learning, 4871(a)
& true-false test responses, 953
Sex, in ancient India, 759
attitudes, American, 5014
& beauty, 4055
bisexuality, 2929
differentiation, by schizophrenics, 3032
education, social responsibility, 4138
emotions, male vs. female, 3912
hetero-, suppression, & social class, 2472(a)
hormones, & male behavior, 5329
incest, twins, case, 2897
life, biological vs. phenomenological, 441
offenses, as psychiatric problems, 6303
types & laws, 6300
perversion, daseinanalysis, 2892
problems, & schizophrenia, 8894
& psychosis, etiology, 7834
research, Germany, 438
history, 2151
responsiveness, women, 5484
status, & role taking, 701
symbolism, H-T-P Test, 6029
validity of, 8696
tension, & anxiety, 2891
Sex behavior, adolescent, 5716
parental standards, 2330(a)
androgens, guinea pig, 403
Arab college students, 8025
collection, 5536
deviating, research, 2966
& intromission prevention, rat, 3874
& love, 447, 450
male, attitudes toward, 811
& mental health, 834
premarital, Finland, 8486
women, 5507, 5526
Sex delinquency, Blacky Pictures, 2975
in California, 2966
child as witness, 2973
& family, 6307
hypnotherapy for, 7715
motivation factors, 6260
nature & treatment, 6312
problems of, 2964
psychodynamic patterns, 8867
psychoses as defense, 6304
research in, 1213
California, 1294
Rorschach, Card VI, 7787
responses, 2927
sex responsiveness, perceptual, 2917
textbook, 7788
Sex differences, adolescent socialization, 5752
attitude organization, 4035
in dreams, 2246
in EEG, 8391
electroshock convulsions, 8380
emotional, 3912
in feeblemindedness prevalence, 4545
in figure drawing, 2654
health complaints, 7916
in high intelligence, 8559
intelligence & personality, 5589
interpersonal attitudes, children, 8582
Manifest Anxiety Test, 8714(a)
MMPI scores, 937, 4327
in motivation, 4372
musical psychodiagnostic test, 955
in myopia, 3777
in parental identification, 6529
in personality impressions, 7233(a)
political issues, 8672
Rosenzweig P-F, 7511
speech intelligibility, 5970
symbol perception, 5106(t)
technical training, 6637
values, intensity, 3914
vocational aspirations, 3237
Wechsler scores, 7541
work capacity, 2153
Sexuality, bi-, & circumcision, 460
biology, & culture, 7112
female, psychoanalysis, 5489
infantile, Freudian, critique, 7284
reification of, 1216
women, psychoanalysis, 5572
Shaffer, L. F., portrait, 5270
Shakers, beliefs, & behavior, 5902
Shakespeare, cult, psychoanalysis, 4059
psychoanalysis, 582, 586
Sonnets, psychoanalysis, 2294
Shanghai, psychiatry in, 4529
Sheriff, social role, 6296
Sherrington, C. S., obituary & portrait, 172
work, critique, 190
Shivering, adequate stimulus, 8468
Shock, apparatus, Liklider, 5180
emotional, biology of, 3688
Shock therapy, acetylcholine, in schizophrenia, 1314
& adrenal cortex, 2907
& brain localization, 1991
& conditioning, 2214
electro-, amnestic syndrome, 3130
& blood chemistry, psychoses, 6345
brain lesion, case, 3133
Brevidil M in, 6083
in catatonia, 3036
celocurin for relaxant, 8750
& cholesterol, 981
in drug addiction, 6270
& EEG, 8742, 8882
& ESP, 7820
evaluation, 1028, 1035
in feeblemindedness, 2853
focal spread technique, 8751
& histamine, psychoses, 3027
& hypnosis, 7570
& learning, psychotics, 4672(a)
leucocyte reactions, 4486
mechanism of, 1071
& mental impairment, 7608
& mirror drawing test, 3037
normal man, 2700
in old age, 3023
prediction of outcome, 2710
prognostic, factors, 6354
tests, 1011
variables, 7597
psychological effects, 1732(t)
relaxing drugs in, 1045
Rorschach changes, 3001
& schizophrenic handwriting, 3012
selective intracranial method, 8762
succinylcholine in, 6133
suxethonium bromide in, 6095
& synephrine reactions, 1332
thiamylal in, 2728
in tuberculosis, 3087
value of, 1085
vs. ether, psychophysiology, 1747(t)
& visual perception, 4679(a)
& eosinophil count, schizophrenia, 7838
focal seizures, 7615
insulin, complications, 7573
schizophrenia, Rorschach responses, 7830
muscle relaxant drugs in, 8759
& pentothal, schizophrenia, 1331
prognosis, measures, 6070
in psychoses, 8756
review, 6150
& rigidity, psychosis, 3020
schizophrenia, relapse in, 3019
values, hospital patients, 7806
Short Employment Tests, 1844, 3339
validity, 8194
Shorthand, achievement, measuring, 4809(a)
learning factors, 7971(a)
Shoulder, stiffness, psychosomatics, 8919
Shyness, of bait, wild rat, 5544
in children, 7748
& hoarding, rat, 408
Sibling, resemblances, in achievement, 7303(a)
rivalry, case, 4550
Signal, light, steady vs. flashing, 3401
random, tracking, apparatus, 5182
Significance, of difference, non-parametric, 3555
tests, combined results, 5221
S-I Inventory, 1849
Silence, as therapy, 1000
Silkworm, cocoon construction, 3694
reflex, 2187
Simplicity, in induction, 1828
Sin, confession, primitive tribes, 4237
Singing, & syllable perception, 7239
Situation, test, military psychology, 6660(b), 6670(b)
Size, apparent, meridional differences, 2062
Size constancy, of clinical groups, 916
& stereoscopic vision, 3822
training &, 343
Skewness, test for, 8310
Skiametry, dynamic, method, 3821
Skiascope, infra-red, 1831
Skill, fine mechanical, selection, 5004
manual, Walther test battery, 4339
motor, Bolt test, 9086
& relaxation training, 8525(a)
perceptual-motor, German research, 3849
sensorimotor, & advanced information, 8532
Skin, areas, outlining, errors in, 2036
disorder, personality in, 8921(a)
electrical measurements, 239
lupus erythematosus, psychosomatics, 4706(a)
pain, chemical excitants, 3718
research review, 5393
perception, of electrical vibrations, 3730
in old age, 2363
prick threshold, electrical stimulation, 6047
resistance, apparatus, 1833

Skin
Social work
sense, electronic stimulator, 85
senses, significance, 5396
sensibility, & nerve endings, 2027
sensory discrimination, temporal, 3717
temperature, recording apparatus, 84
thermal receptors, review, 2045
vibration sensitivity, 3736
vibratory, & electrical sensation, 3740
Skinner box, principles & criteria, 1634
Sleep, association in, diagnosis, 917
& atonal hearing, 390
as conversion symptom, 7587
EEG, cat, 268
eye movements in, 324(a)
& EEG, 3847
as hypnosis, 7088
pattern, Arctic, 3875
therapy, Pavlovian theory, 8772
transition phenomena, psychoanalysis, 399
Smell, absolute threshold, & adaptation, 302
analyser, neurophysiology, 3732
animal, stimulus traces, 3722
Elsberg olfactometry, 309
receptors, rodents, 3724
review (1953), 5410
theories, review, 2029
(See also Olfaction)
SMU Motor Fitness Test, validity, 8465
Social, abnormality vs. psychiatric deviation, 2816
acceptability, & classroom climate, 8033
peer group, 4884
scores, methods, 735
stability, 7386
acceptance, & achievement, pupils, 8015
& child behavior, 2310
& experience, adolescence, 2318
high school student, 9001(a)
of mental, disorders, 2815
health, 6528
& personality, 8039(a)
adjustment, & athletics, 8580
feebleminded, 7695
& sociometric measures, 5852
atom, illustration, 5843(b)
attainment, aspiration & stress, 453
& stress, 5802, 5830
attitudes, change, in schools, 8024
sociometric validation, 5819(b)
children, & television, 7304
& intellectual rigidity, 2406
& intelligence, 7408
& personality factors, 5665
research in, 5849
Rosenzweig P-F, 7382
& scapegoat motif, 4157
behavior, & communicative acts, 5963
grasshopper, 4125
group-centered, 2448
infra-human, 7366
insects, 701
maladjustive, 672
motivation in, 5828
mouse, 4161
& personality, 2429
psychoanalytic prediction, 4052(a)
schizophrenia, 6341(a)
factor analysis, 4639(a)
unconscious factors, 2420
betterment, & value science, 5857
change, industry &, 4215
& technology, 714
Tepoztlán, 4199
characteristics, Detroit, 3674, 3675
choice, & individual values, 2405(a)
patterns, school child, 4897(a)
class, & academic status, 4887
& adolescent values, 2341(a)
attitudes, high school student, 3237
conceptual & motor expressiveness, 4142(a)
consciousness, adolescents, 7266
obstacles, 4242
& deferred gratification, 1516
definition, 2532
& values, 3450
distinctiveness of, 5920
& education, 5909, 5910, 5913, 5916
& heterosexual suppression, 3472(a)
identification of, 4134
& intelligence, alcoholics, 2923
& level of aspiration, 4241
occupation & beliefs, 793
& personal development, 4231
popular concept, 5928
& prestige, children, 5867
& race, Brazil, 779
relations, & psychotherapy, 1125
& schizophrenia, 7819
& school attendance, 821, 4877
& self concept, 5816
& teachers, 5905
textbook, 4115
theory of, 4144
values, Alcoholics Anonymous, 7747
vs. group membership, 891
communication, & nationalism, 5912
compliance, analysis of, 7336
conflict, psychotherapy, critique, 4163
conformity, & group attraction, 5793
content, television dramas, 4268(a)
correlates, of religion, 5924
decision, in transitional society, 2392
development, adolescents, 645
classroom, 1508
& personality, bibliography, 2273
Western culture, 4160
differentiation, & integration, 8680
diffusion, dimensional theory, 4124
distance, concept, critique, 7343
India, 7364, 7404
Southern States, 2495
& status differential, 8640(a)
dominance, test of, dogs, 5868
dynamics, in bureaucracy, 2425
equilibrium, theory, 678
facilitation, feeding behavior, dog, 5525
factors, in ego development, 8629
industrial morale, 6648
interpersonal relations, 4119
& job satisfaction, 5020
field, topological structure, measurement, 2462
functions, of family, 801
of science, 22
group, & communication, 7370
concept of, 894
normalization within, 8617
rural-urban fringe, 4230
systemic theory, 4154
influence, leader role behavior, 8622(a)
insects, textbook, 5541
instincts, & industry, 1640
integration, & group psychotherapy, 4485
& psychological symbiosis, 2441
interaction, & interpersonal perception, 673
observer scoring reliability, 5846
isolation, cause & therapy, 1015
problems, 2947
learning, need constructs, 8627(a)
rat, 5638
theory, 3996
maladjustment, vs. needs & activities, 8631(a)
maturity, & etiology, feeblemindedness, 3854
measurement, theory, 3542
mobility, career women, 799
college student, 1447
& fertility, 2533, 4226(a), 5904
norms, & sanctions, 4194
ontology, & sociological definition, 5808(b)
order, & spirit, Nuer, 4191
ordering, method, 2463
organization, Bali, 4210
India, tribes, 7397
& industrial production, 6661
Jamaica, 7394
origin, & eminence, 2398
participation, community, factors, 7431
pathology, 715
patterns, & industrialization, 5936
perception, blind adolescents, 3483(t)
determinants, 5838
dynamics, 7354
factors, 2597
& group effectiveness, 5806
& identification, 7365
information bias, 4395
& interpersonal relations, 4131
& learning, 6936
philosophy, & sociology, 674
problems, etiology & therapy, 5788
India, 7360
& love, 461
& science, 3416
textbook, 3433
vicarship &, 8638
ranking, Turkish village, 773
ratings, girls' social groups, 6538
relations, attitude & cognitive organization, 3423
China, 5676
horse-mule group, 5786(b)
research, design, textbook, 5844
ethics of, 5850
international conferences, 5848
& moral values, 5854
rural-urban fringe, 5844
textbook, 5840
response, development, 7393
responsibility, & sex education, 4138
role, & self attitude, 4039(a)
science, in Alaska, 4229
& psychoanalysis, 3526
& values, 5170
judgments, 8639
sense, development of, 2409
sensitivity, adolescence, 633
anxiety as, 5847
situation, miniature, experimental, 7385
skills, child development, 7269
status, & adolescent values, 2326(a)
choice, & economic, 5925(b)
groups vs. patterns, 774
& intelligence, 7208
& job satisfaction, 1687(t)
perception, personality & set, 8630(a)
Russia, 2516
strata, & psychiatric disorders, 1146
stratification, critique, 4158
Ibo, 2511(a)
& income distribution, 4244
Jew, in Poland, 2499
research methods, 728
rural Israel, 785
Trinidad, 7393
in U.S., 7437(a)
urban Negroes, 2480
structure, & change, industry, 6626
& character, 7339
classroom, & achievement, 4815
& economy, Indian village, 757
& mental disorders, 2839
& occupational skills, 2517
self &, 4044(a)
& unilineal descent, 4193
survival, foundations, 5817
theory, history, 5823
& policy, 4146
unrest, & children, 2336
values, common vs. discrete, 5918
Social psychology, American Soldier, critique, 2428
& Aristotelian ethical proof, 7351(a)
cultural research, empathy in, 4167
field study, techniques, 3542
in Great Britain, 5829
hypnosis in, 2165
identification with machine, 2411
interdisciplinary aspects, 708, 710
laboratory experiments, 3542
law & mores, 706
& learning theory, 4140
of liberty, 5937
metropolitan area studies, 2460
objective observation, methods, 3542
& praxology, 682
of prejudice, 5896
research, methods, textbook, 3542
psychodrama in, 5845(b)
review (1953), 5797
Shakers, 5902
of small groups, 7328
& sociology, 5821
student support, ONR, 8344
of telephone, 6704
textbook, 1820, 2391, 5810
collection, 695
theory & methods, 3542
training in, 212, 229
value-systems, 5794
Social science, constructs, theory, 4181
generalization in, 2468
graph theory as mathematical model, 7379
journals, bibliography, 6833
in Latin America, 716
laws, explanation, 5847
modern, critique, 1820
postulates of, 2447
& psychiatry, 1148, 2414
research, ethics of, 2465
methods, 4177
Social Science Research Council, & psychology, 5265
Social work, agency, psychiatrist role, 2557
Turin, 610
in authoritarian setting, 7498
case, with adolescents, 7285
advice giving in, 1039
brief interview, 6146
client, choice in, 1002
improvement, 6010
cultural dynamics, 2582
evaluation of, 913
family, centered, 4324
& child guidance, 6167
for feebleminded, 8816
follow-up evaluation, 2576
& group, 1102
in marriage counseling, 2603
with moron boy, 1197
with mother, in child placement, 8776

non-judgmental attitude, 2592
in nursery school, 1543
& parent education, 2578
with parents, 6160
& psychotherapy, 6086, 7618
relationship, 7566
research methods, 907
short-term counseling, 995
supervision in, 231, 2589
supervisor, selection, 3436
training, program, 7481
worker relations, 6002
in cerebral palsy education, 1532
in children's hospital, 2785
& clinical psychology, clinic team, 3676
& community planning, 7414
family, group therapy, 6144
life, 4232
psychoanalysis in, 2604
treatment in, 2563
group, with adolescent group, 4072
adolescents, norms, 883
& adult education, 2601, 3259
contribution of, 2595
culture &, 886
& group, counseling, 992
psychotherapy, 2712, 2720, 2733, 2734, 2751, 2761
leader, textbook, 7355
textbook, 2423
therapeutic, 4473
interagency group experience, 4317
job analysis, 7477
& juvenile delinquency, 6287
medical, psychoanalysis, 2585
in nursery school, 1539
with older persons, 4109
psychiatric, & casework, 2555
characteristics, 4294
Great Britain, 876
in hospitals & clinics, 7472
in mental, health clinic, 922
hospital, 2825
research methods, 906
review, 999
& psychoanalysis, textbook, 2572
public assistance, readings, 2573
research in, collection, 2594
schizophrenia, 1304
school, & child guidance, 6153
& clinic team, 6158, 6569
students, research by, 5993
Social worker, case, characteristics, 9117
selection examination, 9118
Socialization, English vs. American values, 4192
family &, 803
process of, 8629
Socially Competent Person, readability, 8729
Societies, textbook, 2442
Society, formation of, psychoanalysis, 5827
golden age, 7340
human, characteristics, 707
industrial, human problems, 8618
industrialization, & social patterns, 5936
isolation effects, 1015
modern, child training, 2325
& political character types, 5923
science impact on, 5833
self-regulation of, 2432
technical, & personality, 8271
transitional, & social decision, 2302
welfare state, educational selection, 4800
Sociodrama, & family conflict, 4456
with mental defectives, 9014
& minority group problems, 4206
Socioeconomic, factors, juvenile delinquency, 8869
& vocational interests, 8782(a)
status, & child peer values, 7298
& mate selection, 8679(a)
& mental disorders, 7664
& Negro test scores, 5884
& prestige values, 5867
& psychotherapy, 7564
& Strong Vocational Interest Blank for Women, 7655(a)
& Wechsler Intelligence Scale for Children, 940
trauma, & adjustment, 4304
Sociology, American, textbook, 2456
of child development, 5722
college, course evaluation, 3194
& cultural anthropology, 4132
definition criterion, 5808(b)
educational, & teaching competence, 1591
textbook, 4804
folk, significance of, 2491
general theory of action, 713
as human, behavior inquiry, 5789
relations, 4114
industrial, bibliography, 8254
of language, 5951
& literature, 840
of military organizations, 2428
& philosophy, essays, 7334
& praxology, 682
& psychoanalysis, 8619
& psychological theory, 8288
& psychology, 2452
in area studies, 827
course, for nurses, 1951
research, personal factors, 8648
rural, textbook, 2449
& social, philosophy, 674
psychology, 5821
textbook, 663, 2436, 5799
readings, 5816
theoretical orientation, 4180
theory, essays, 8626
urban, collection, 5927
textbook, 2435
of J. B. Vico, 3638
Sociometric studies, adolescents, 4073
athletic ability, boys, 1512
gifted child, in classroom, 4883(a)
student teachers, 8104
Sociometry, 5871(b)
& bomber crew performance, 6620
choice, & organizational effectiveness, 4143
& personality, 7347
classroom, & personality, 6545
college student choices, 6536
of criminal insane, 4669
dormitory group organization, 6544(b)
in group therapy evaluation, 6128
history, 5840(b)
indices, 5836(b)
& interpersonal theory, 5825(b)
leadership theory, 5826(b)
& Marxism, 5866(b)
measure conformity, 4174
in personnel administration, 6614(b)
psychiatric ward, 4656
& psychology, 5873(b)
& pupil adjustment, 6531(b)
scale & intensity analysis, 5851(b)
school, elementary, 9003(a)
score stability, 7398
in seminar class, 7990
& social, adjustment, 5852
attitude change, 5819(b)
stability, retarded children, 4548
status, index, 1878
& personality, college student, 4886
& play therapy, 2714
teacher, & pupil choices, 4961
training, 6605(b)
temporary group leadership, 5807(b)
textbook, 4178
vector-theoretical hypothesis, 4164
vs. Szondi Test, 960
Sociopathy, concept of, 5788
Socio-psychological, interaction, analysis of, 2457
Socrates, daimonion of, 6742
Sodium amytal, brain disease diagnosis, 3145
& nystagmus, 2103
in schizophrenia, 1329
Sodium iodide, in senile psychoses, 7841
Sodium sucaryl, taste, rat vs. human, 316
Softball, batting ability, test, 8471
Soldier, combat units, group characteristics, 5026
morale, 3383
offender, & reasons for joining, 3321
personal history, & combat success, 8191
self-description tests, 8175
(See also Combat)
Somatopsychic medicine, 7888
Somatotype, & motor fitness, women, 8485
Somesthesis, cerebral representation, 8368
cortical association area, 8369
neural correlates, agnosia, 3737
perception, & brain injury, 4732
Somnambulism, epileptic etiology, 8844
Sonar operator, selection, research, 5010
Sorting test, feebleminded, 7694
Soul, concept, & psychotherapy, 2768
Sound, Acridiodea responses to, 7048
air & bone conduction, phase relations, 8453(a)
chicken, analysis, 3833
clicks, 8th nerve response, 289(a)
high frequency, bats, 8473
intense, & organ of Corti, 3834
intensity, & motor act speed, 2169
& time estimation, 318
language, acoustic analysis, 7059
loudness, measuring, method, 7051
& visual brightness, 5407(a)
of marine organisms, 2170
monotonous, & EEG, 5361
pressure, & hearing fatigue, 8455
stimulation, visual effect, 2078
stimuli, cortical, action patterns, 284(a)
potential, 391(a)
textbook, 8457
Southern Society for Philosophy and Psychology, proceedings (1953), 5266
Soviet, child development theory, 640
decrees, Pavlovianism, 5332
physiology, 1961
neurophysiology research, 282
Pavlovianism research, 8293
personality theories, 1051
physician, social role, 1676
physiology, Anokhin's errors, 1806
critique of Ukraine, 1958
trends, 1805
propaganda reactions, 869
psychiatry, 2850, 5295
psychology, 8324, 8334, 8338
of will, 5586
psychotherapy, 6118
reactions to VOA, 851
refugee interviews, generalizability, 871
satellites & VOA, 864
semantics, view of, 5954
social impact of, 2439
theory of knowledge, 5152
Space, orientation, human, 6937
psychopathologic problem, 1129
relation, ability, improvement, 5856
test, factor analysis, 7209
Space perception, binocular, theory, 7024
instruction &, 315
Luneburg theory, 2056
orientation, luminous point, 363
& self reference, 323
stereoptometer, 2047
& surface contours, 3773
visual, Luneburg theory, 3756
Spain, provincial region psychology, 5876
Spanish, language, word count, 3217
Spatial Apperception Test, 4994
Spatial Visualization Test, factor analysis, 8139
Spawning, Arenicola marina, 5505(a)
Speaker, confidence, personality relationship, 7452(a)
Speaking, loud, & blood oxygen, 3856
public, & audience, attitude, 5950
reaction, 2546(a)
comprehension & skill, 5943
student comprehension, 5973
Spearman, C., biography & portrait, 8337
Species, Acridiodea, 7048
amblystoma, 6880
Arenicola marina, 5505(a)
bat, 3890, 8473
bee, 327, 4269, 4278
beetle, 5406, 5543, 6946, 7107
bird, 3825, 7010(b)
carp, 5516
cattle, 5498, 5501, 5518, 5554, 5562
chaffinch, 409
chicken, 3833
chimpanzee, 5395
cockroach, 5403
crab, fiddler, 8361
dog, 3883, 7099
duck, 6957
earth worm, 3964
eel, Anguilla anguilla, 7093
European wren, 3899
ferret, 406
fish, 7078
giant tortoise, 3810
gorilla, 514
grasshopper, 4125
great tit, 3872
gull, black-headed, 422
hen, 427
horse, 5786(b)
housefly, 8401
insect, 396, 701, 6952
social, 5541
Lepidochitona cinereus, 5532(a)
locust, 5404
Lyrurus tetrix, 5521
marine larvae, 5527(a)
meal worm, 485
Metridium, 283
monkey, 5563, 7111
mosquito, 6948, 8491
Mugil cephalus, 493
Mus musculus, 3781
mule, 5786(b)
Nereis diversicolor, 5519(a)
newt, 3891
octopus, 1799
opossum, 407, 7684

paramecium, 8497(a)
perch, 3870
Peromyscus, 3896
pigeon, 383, 6972
porcupine, 274(a)
porpoise, 395, 5477, 8458
rabbit, 8423, 8444
wild, 5555
rodent, 3724
silk worm, 3894
starling, 8466
Steatornis caripensis, 3836
stickleback, 2185
sunfish, 5437
Talidridae, 5568(a)
turtle, 3540
whale, 3876
woodchuck, 277
Spectacle, lenses, & eye focus, 3830
Speech, articulation, child development, 7295(a)
sublaryngeal processes, 5560
behavior, & role-taking, 7348(a)
development, child, Pavlovian theory, 8502
esophageal, development, 3898
elements of, 3846(a)
of feebleminded, 2877
fright, factors, 847
intelligibility, at altitude, 2535
& hearing fatigue, 8403(a)
& laryngeal paralysis, 2540
male vs. female, 5970
& motor activity, 5975
& personality, 5694
test, 8451
& voice communication equipment, 9105
masking, by noise bands, 7058
measurement methods, 4254
normality, evaluation, 839
palatopharyngeal movements, 3686
perception, & facial movement, 865
factor analysis, 7450(a)
& noise, 8456
phonetic variables, perception, 8861
public, persuasion, 837
recognition, 2 ear stimulation, 4260
in schizophrenia, 6359
in school learning, 7976(a)
sounds, analyzing skills, 2552
discrimination test, 4854
& intelligibility, 4287
repetitive rates, 2541
spectrum, variables in, 2132
speed of, 7084
speeded, intelligibility, 845
synthesizer, 4266
tests, & articulatory prediction, 7295(a)
& thought, delayed recording, 2244
training, deaf child, 7770
variables, & listener comprehension, 4257
vocal tract, electrical analog, 2551
vocalization development, 636
(See also Voice)
Speech defects, & anxiety, cerebral palsy, 1414
articulation, child reaction to, 7282(a)
& infancy development, 6274
intelligibility, 7767(a)
test, 6284
articulatory, & child growth, 4607(a)
& personal characteristics, 6282
& brain centers, 3115
census, Michigan State, 1261
cerebral palsy, therapy, 8043
correction, bibliography, 6281
films, list, 8856
history, 1272
mental, deficiency, 8860
retarded, 6283
motion pictures in, 1273
delayed, maternal attitudes, 4611(a)
non-directive therapy, case, 2953
speech, 1265
education, special, 4909, 8039
& feeblemindedness, 6220
group therapy, 4613
of handicapped child, 6278
& hearing, school program, 8859
program for, 2955
retardation, thyroid therapy, 6279
textbook, 2950
theses, bibliography, 1268
(See also Dyslexia)
Speech therapist, school, research by, 6285
Speed, & display-control relations, 6686
stress, & range-effect error curve, 5548
vs. accuracy, test performance, 2186
Spelling, achievement, & word analysis, 6499
core vocabulary, 4636
corrected test, effectiveness, 4867(a)
disabilities, remedial methods, 7986
in dysphasia, 7758(a)
& intelligence, 4998
learning, 1502
& phonic knowledge, 8003
psychological problems, 4861
readiness, & speech sound differentiation, 8969
& speech sound discrimination, 3487(t)
test, 6483
word frequency, by grades, 6496
Spinal cord, afferent path, & cerebral projection, 5358
injury, & sensation recovery, 3710
reflex activity, in man, 1415
section, motor deficits, 8385
stimulation, & medulla activity, 8379
Spinoza, B. de, psychoanalysis, 187
psychology of, 1940
Spirit, & social order, Nuer, 4191
Spondylitis, rheumatoid, personality evaluation, 4780
Spontaneity, -creativity, concept, 5850(b)
nature of, 7121
Sport, experience & interests, girls, 8990
SRA Youth Inventory, validity, peer judgments, 9026
Stage fright, factors in, 847
management of, 1229
Stanford Achievement Test Battery, evaluation (1953), 8080
Starling, male, mating behavior, 8466
Stars, visibility in twilight, 3429
Starvation, cerebral defect syndromes, 8439
& flicker fusion, 3762
Stasiometer, 92
Statistics, in anthropology, 4169
& behavior data, 5232
decision, design, 5210
procedures, 3590
dichotomous variables, punch card analysis, 3566
distribution extreme case, 3588
in educational psychology, 6462
errors, types of, 1865
estimate by double sampling, 118
finite Markov processes, 3574, 3585
function, group & individual, 6773
interpretation, 1900
linear discriminant function, 1884
Mann-Whitney tables, 3555
matrix, inversion, partitioning method, 3593
rearranging, 1869
& measurement scale, 3560
multivariate analysis, 1554
multiple group least squares, 1881
nonparametric, bibliography, 6807
tolerance regions, 124
normalizing data, effects, 5213(a)
one-tailed tests, 5211
& optical theory, 2126
parameter estimates, 148
percentage, difference significance, tables, 150
pivotal condensation method, 117
pooled outputs, 3563
probability mechanism, 6783
proportion difference, test, 1867
in psychoanalysis, 1861
in psychology, critique, 3604
qualitative data, relationship measures, 3577
rank tests, power of, 134
ratio of class overlap, 122
rectangular population, sample ranges, 3605
regression, curvilinear, 3486
similarity testing, 3575
scores, matrix, 3580
significance of difference, 3553
stochastic model, learning, 5597
sums of squares & products, method, 3564
tables, 5226
tests of fit, distribution-free, 110
textbook, 115, 127, 135, 1883, 1898, 5214, 6788, 6824, 8309, 8315
theory, review (1953), 5308
time series, test of fit, 151
two-stage sampling method, 5231
Stator winder, selection of, 1773(t)
Status, & attitudinal intensity, 6719(t)
congruency, small group, 4111
differential, & social distance, 8640(a)
in small group, 4147
social, groups vs. patterns, 774
Steadiness, hand, apparatus, 92
Stealing, mother hostility, case, 7780
Steatornis caripensis, acoustic orientation, 3836
Stenquist Mechanical Assembly Test, 8050(t)
Stereopter, Verhoeff, reliability, 2104
Stereoptometer, 2047
Stereoscope, setting, & vertical disparity,
Stereotype, behavior & stress, 8478, 8479
classroom demonstration, 5813
as interview aid, 5347
negative, & minority groups, 7399(a)
occupational, & photograph perception 2040
Sterility, psychogenic, fallopian tube spasm 4717
Sterilization, & sexual symbolism, 6029
Steroids, suprarenal cortex, in psychiatry. 1132
Stevenson, G. S., portrait, 3625
Stickleback, instinctual behavior, 2185
Stimulus, differentiation, transfer of, 5146
generator, 95
harmonic, sense response, 5403
orientation, & visibility, 5425
patterns, redundant, 6716(t)
presentation rate, & learning, 5623
random, apparatus, 3539
satiation, & reactive inhibition, 3944
sign, & incentive properties, 5108(t)
summation, & cortical response, 8377
variability, in learning, 3940
Stochastic processes, in biology, 3603
Stomach, during psychoanalysis, 1038
Store, retail, supervisor duties, 5039
Story Completion Test, college level, 7539
Strabismus, angle of deviation, 8440
Strangeness, state, characteristics, 1222
Strength, adults, dynamometer, 7079(a)
& somatotypes, 437
Stress, & ACTH, 1985
& adrenocortical function, 5334
anxiety, & gastric acidity, 7742
& test performance, 8853(a)
behavior in, psychoanalysis, 3885
stereotypes, 8478, 8479
& disease, 4730
disorders, psychotherapy, 1382
distraction, & performance, 7092(a)
emotion, & cardiovascular response, 1731(t)
emotional, & body temperature, 1959
& eosinopenia, 8914
& hypertension, 3100
& thrombophlebitis, 3097
& flicker fusion frequency, 5421
group, neurocirculatory reactions, 389
hypothalamo-hypophyseal response, 19
intellectual, control under, 4340
performance, 1753(t)
& learning, 3938, 7140
life, & acne vulgaris, 7875(b)
& Rorschach, 6018
mortality, & handling, rat, 3896
motivational, & growth, rat, 5535
& muscle tremor, 8481
& obsessive tunes, 2887
performance, anxiety, & Rorschach, 60
physiological, & flicker fusion, 3762
& problem solving, 550
& psychiatric nosology, 8799
psychic reaction, process, 1258
reactions, children, 6235
intra- & extra-punitive, 6882(a)
schizophrenia, 1722(t)
& social attainment, 5802, 5830
response, adrenal, & hypothalamic lesi 6887
& early experience, 6892
prehypertensives, 4715
& Rorschach responses, 8734
sensitive tests, 7560
& serum toxicity, schizophrenia, 4643
& social attainment, 452
Strong Vocational Interest Blank, faking sc 1621
nursing key, validity, 1626
stability of, 8785(a)
woman's, & socioeconomic factors, 78
Strumectomy, relapse, psychosomatics, 63
Strychnine, & neuron action, 5355
Student, art, personality, 4084
attitudes, teacher &, 4965
course evaluation scale, 6486
dental, grade predictions, 6712
dentistry, achievement prediction, 904
engineering, counseling, 1566
personality & achievement, 4920(
evaluation, 3289
graduate, achievement prediction, 48
foreign, achievement, 4855(a)
psychology, stipends, 6868
social relations, 6532
guidance for adjustment, 3273
leaders, training, 4873
medical, achievement, & age, 9119
prediction, 9046
attitude, behavior disorders, 4

examination types, 1555
MMPI scores, 3445, 3446
Negro, interests, 8027
personality & achievement, 1683
medicine, counseling, 4924
nurse, psychiatric, empathy, 5091
selection, personality, 4950
teacher, admission selection, 4976
Rorschach scores, 1586
vs. teacher, personality ratings, 8014(a)
woman, achievement motive, 1519
(See also College student; High school student; Pupil (school))
Study, habits, emotions &, 3227
methods, 6493
skills, instruction in, 4832
program, college, 9020
Study Methods Test, cross-validation, 1553
Stuttering, adaptation in therapy, 4614
anxiety in, 7763
as approach-avoidance, behavior, 7772(a)
theory, 2960
causes, & treatment, 4612
& epilepsy, 4735
frequency, & heart rate, 7768(a)
frustration, EEG, 7771(a)
group psychotherapy, 1262(a)
in Indians (American), 2484, 4609
masseter muscle potentials, 7775(a)
nature of, 1286
oral vs. spontaneous speech, 7764(a)
perseverative factors, 8858(a)
primary, definition, 2956
psychoanalytic therapy, 1267
psychopathology of, 7766
Rosenzweig Picture-Frustration performance, 2957
self-perception in, 7776
severity, estimation methods, 1275
& repeated reading, 7773(a)
treatment & family influence, case, 6277
Stylistics, psychology &, 568
Subception, statistical theory, 8402
Subjective, concept, definition, 83
scale, lifted weights, 2020
Subjectivity, inter-, & Gestalt theory, 1813
Sublimation, in dreams, 7201
drive psychology, 7091
ego psychology, 6254
& internalization, 1142
Submarine, personnel, assessment interview, 3347, 3356
disqualification factors, 3353
Submissiveness, of nations factors, 7430
Suburban, community, adjustment to, 4233
Success, concept of, & guidance, 7652
& failure, & muscle tension, 7120(a)
Succinic dinitrile, in depression, 1374
Succinylcholine, in electroshock therapy, 6133
Suggestibility, & ataxia, in neurosis, 3053(a)
& personality, 571
primary & secondary, 2183
Suggestion, clinical applications, 1018
dreaming from, 7115
response, Rorschach correlates, 7536
use in supervision, 8213
Suicide, in adolescence, 7744
attempt, child, 2916
& broken homes, 4551
in Ceylon, 775
in childhood, 2904
emotional response to, 7739
in military personnel, 2932
in paraplegia, case, 3139
psychodynamics, 7727
Rosenzweig P-F Study, 1241, 4602
rural males, 1247
social psychology of, 6233
Sullivan, H. S., scientific laws, 5184
social theories of, 3629
Sulphones, psychotic reactions, in lepers, 8922
Superego, in child & adult, 1700(t)
religion & psychiatry, 7676
& scapegoat, 2190
Superiority, feeling & anxiety, 6258
Supervision, in clinical training, 1050, 1957, 3663
educational, textbook, 3302
& employee relations, 8201
in psychoanalytic training, 3662
in psychotherapy training, 1948
in social case work, 231, 2589
suggestion, use of, 8213
textbook, 3327
types, feebleminded workers, 2880
Supervisor, attitudes, & production, 5050
& ratings, 8218
& status, 5041
toward, & productivity, 3381
behavior, & job security, 6720(t)
questionnaire, 1635
casework selection, 3436
counseling training, 5047
& employee relations, 8203
factory, & worker morale, 8212
forced-choice performance report, 5008
& group discussion, 1594, 1595
human relations, test, 8148
training, 5040, 6664
industry, employee load, 3377
performance report, 5036(a)
training, 5030
level, & ratings, 8224
-management relations, 6215
motivation & test results, 3330
personnel relations, 8225
ratings, by employees, 8214
factor analysis, 5037
factors in, 5038
retail store, duties, 5039
role, & morale, 8222
selection & training, 6679
status, & role, 6650
training, discussion groups, 5033
in interviewing, 8115
method, 6649
vs. peer rankings, 6054
wage board, selection tests, 8158
women, reluctance for, 6655
Surgery, facial, psychological aspects, 6403
hypnosis in, 2782
Surprise, & information theory, 7465
Survey, analysis, problems, 2428
attitude, intervening responses, 8646
methodology, 5863
bias, respondent-interviewer interaction, 8645(a)
design, evaluation, 2406
enumerative vs. analytic, 2459
on industrial mobility, 8250
international, translation problems, 724
mail, return improvement, 5850
methods, in community study, 7387
not-at-home, adjusting for, 5204
questionnaire bias, 3434
research, argumentative role playing, 8651(a)
in Germany, 8653
sampling, methods, 4182
research method, 3542
techniques, in education research, 4807
weighting procedures, 7381
Survey of Object Visualization, vs. Weinberg's V-Test, 7512
Suxethonium bromide, in electroshock therapy, 6095
Swallowing, palatopharyngeal movement, 3686
Sweat, palmar, group measurement, 236, 3691, 6888
Sweden, vocational guidance in schools, 1546
Swimming, learning rates, 8991
Swiss Psychological Association, meeting, report, 3821
Switzerland, child guidance, Valais, 1105
Symbiosis, psychological, concept, 2440
& social integration, 2441
Symbol, binary, perception, 453
drawing, schizophrenia, case, 6363
perception, sex differences, 5106(t)
phallic, by novelist, 7250
processes, & consciousness, 8494
Symbolism, of circle, psychoanalysis, 905
sexual, geometric figures, 1732(t)
validity, 8696
Symptom, anal phase, 5744(h)
autonomy of, 1237
choice, etiological factors, 6244
formation & trauma, 4523
psychiatric, factor analysis, 2606
specificity & determination, 2826
vs. dynamics, in diagnosis, 2600
Synapse, & nerve conduction, 278
transmission, 1799
ultrastructure of, 287
Synephrine, in psychoses, 1332
Synesthesia, vowel-color, 5397
Syntality, dimensions, small groups, 5795
& group learning, 722
Syntax, description, arithmetical notation, 5941
Syphilis, contact-, & intelligence, 8929
neuro-, deterioration in, 1784(t)
Szondi, L., biography & portrait, 3651
Szondi Fate Analysis, 7582
Szondi Test, basic probability calculations, 4326
for criminals, 1299, 4631
diagnostic value, 970
in epilepsy, 4744
factor analysis, 4356
factorial variation, 4333
of miners, 5000
modification of, 6034
patient-examiner interaction, 2673
picture clarity, effects, 7538(a)
in psychiatric evaluation, case, 4561
quantitative vs. qualitative analysis, 2623
review, 931
in tuberculosis, 4721, 4726
with twins, 4385
validity, 1710(t), 4397, 7519
vs. Rorschach, 4554
vs. sociometry, 960

T-test, improper use, 3608
Tables, expected value of 1/X, 6792
Mann-Whitney statistic, 3555
Pearson-Lee-Fisher function, 6782
percentage differences, significance, 150
probability, extreme values, 3611
normal, 3612
statistical, 5226
tetrachoric correlation, 1863
Tabulator operator, selection of, 9088(a)
Tachistoscope, electronic, 101
semi-automatic, 100
Talent, & creativity, 4022
& Rorschach, 6026
search for, 3332
Talitridae, mating behavior, 5568(a)
Tantalus, myth, psychoanalysis, 2290
Tapping, finger, differential rates, 7087
sequence, continuation, 7082
test, & manual dexterity, 7101
Tarahumara, social norms & sanctions, 4194
Target, moving optical projector, 9103
Task, difficulty, & discrimination learning, 8524(a)
& facilitation, 3922
& proactive facilitation, 7131
effortlessness, & Einstellung, 7094
incomplete, & muscle tension, 3889
interrupted, resumption, factors, 3871
interruption, & ego strength, 3907(a)
& recall, 7108
repetitive, work unit, 6679
tendency to finish, 3851, 3852
Taste, adaptation, mechanism, 2021
blindness, in Japanese, 6931
& cerebral cortex, 6895
critical frequency for, 3736
discrimination, & age, 2039
flavor scoring, 2038
human vs. rat, 316
receptors, neurophysiology, 6927
review (1953), 5410
salt threshold, adrenalectomized rats, 3727
sense, 5129
sensitivity, species differences, 2037(a)
sodium fluoride, subthreshold, 2023
& specific hunger behavior, 5530
testing, methods, 2019
tests, experimental design, 2034
Taylor Manifest Anxiety Scale, 2683
forced choice form, 7526
Tea, psychophysiological effects, 3695
Teacher, acceptance attitude, & effectiveness, 4970
adjustment, & attitudes, 4958
Air Force, job satisfaction, 4963, 5069
arithmetic understanding, 3312
attitude, & authoritarian personality, 9054(a)
cerebral palsy, 3247
& child, behavior, 8103
problems, 3314, 4958
psychosomatic problems, 8018
Minnesota Inventory, 1584, 9052(a)
& pupil personality, 6572
& student behavior, 6609
to television, 8685(a)
in authoritarian system, 8099
beliefs, & practices, 4967
characteristics, factor analysis, 1589
& child guidance, 8059, 8066
& classroom, behavior, 4975
supervision, 6489
college, characteristics, 3315
of education, selection, 9055(a)
evaluation, 4962, 6604
guidance role, 1548
professional training, 9061(a)
student evaluation, 1585, 4958, 4959
teaching dynamics, perception, 6600(a)
trait ratings, 4973
competence, & educational sociology, 1591
counseling, function, 889, 923
by supervisors, 4957
democratic leadership & training, 9050(a)
education, & pupil appraisal, 1583
educational viewpoints, 6606

effectiveness, assessing, 8105
research on, 3300
design, 1588
English, as counselor, 1533
ethnocentric attitudes, 4964
flight, self evaluation, 1653
group membership, & feelings of failure, 1960(a)
in guidance, 3278, 8061
functions, 3279
home room, problems, 6576
industrial arts, success & school achievement, 9063(a)
vocational interests, 9051(a)
job satisfaction, 9058(a)
judgment, pupil, intelligence, 3290
sociometric status, 6534(b)
leadership traits, 4978
male, elementary, 9059(a), 9065
marking, variables, 6587
marks, as predictors, 8069
maturity, personality, 8106
& mental, health institute, 4299
hygiene training, 3277, 3316
military, evaluation, 6603
morale, & student achievement, 3301
nursery, school, ratings, 9057
nursing, student evaluation, 1660
opinion, of gifted child, 4901
parent, attitudes, 4971
relations, 4799
personality, & school relationships, 8107
traits of, 8098
psychological terms, interpretation, 9068(a)
psychology, ratings of, 6601
-pupil, personality relations, 4960(a)
preference, sociometry, 4961
relations, 4966
roles, 1455
rating, forced choice, 3536
& student achievement, 3655
by student, scale, 3313
by teachers, 6610
retired, personal adjustment, 8100
selection, & MTAI, 3305, 4968
& social class, 5905
student, admission selection, 4976
attitudes, 4965
toward children, 9062(a)
child attitude toward, 1590
evaluation, 3289
group counseling of, 3304
personal qualities, 9067(a)
personality, 4973
ratings, 5318
factor analysis, 3654
social acceptance, 8104
of subnormal, 4902
success, Rorschach scores, 1586
successful, factors in, 6602
& test construction, 8076
trainees, attitudes, changes, 9066(a)
knowledge tests, 8096
Negro, competency, 1582
professional beliefs, inventory, 9056(a)
teaching ability rating, 8102
training, & clinical psychology, 201
sociometry in, 6605(b)
understanding, of children's attitudes, 3472(t)
unsatisfactory, reporting, 9049
verbal behavior, & classroom climate, 3311
vs. pupil personality, 8097
ratings, 9014(a)
vocational, interests, 6607
motives, & choice, 6606
Teaching, classroom, review, 1455
college, & action research, 4846
discussion in, 6516
improving, 6472
competence, & special traits, 9053
competency, test for, 3308
democratic vs. lecture-discussion, 4834
& ethnocentrism, 3307
group vs. lecture, 8013
interest test, 3306(a)
-learning, process, 7940
textbook, 3160
theory, research, 4803
lecture vs. discussion methods, 8971(a)
literature, & psychoanalysis, 3230
methods, adult student evaluation, 3172
French, 7996
research plan, 1503
textbook, 5962
psychology of, textbook, 8964
remedial, evaluation, 6504
& self-scoring measures, 9042(a)
student, interests & achievement, 9064(a)
success, & word fluency, 3310
Team, effectiveness, prediction, 4127, 4170
Teasing, psychodynamics of, 7126
Technician, psychology of, 8271
Technics, & aesthetics, 584
Technology, & Australian aborigines, 749
& culture base, 703
effects, & human values, 696
influence, on Asia, 762
& law, 826
& Prometheus, 777
& social change, psychology, 714
Teeth grinding, & personality factors, 8851(a)
Telebinocular, & binocular parallax, 3812
Telekinesis, psychological problems, 446
Telephone, operator, job behavior, 6634(a)
social consequences of, 6704
Television, & actor behavior, 4280
children's, interests, 4095
reading, 8009
social attitudes, 7304
dramas, social content, 4268(a)
family behavior, 2553
impact on child, study method, 7442(a)
instructional, understanding, 3228
& leisure, 5967
of psychodrama, 6125
& radio, preferences, 2545
subject color demonstration, 5486
teacher attitudes, 8685(a)
Temperament, & autonomic balance, 5685
factor analysis, 4033
& intelligence tests, 2270(a)
rating, from test performance, 2668
Temperature, air, & food intake, mouse, 3886
low, & alcohol, work decrement, 8385
physiology, 250
receptors, review, 2045
skin, & manual performance, 314
subjective reactions, 5060
warmth, after sensation, 3723
Templin Screening Test of Articulation, norms, young child, 6284
Tenderness, scale, orphan child, 7270
Tension, & anguish, 7735
expression, in psychotherapy, 4450
in India, psychology, 2488
induced, & motor performance, 5619
& muscle activity, 8484(a)
industrial, India, 8198
intergroup, resolution, 676
interpersonal, psychoanalysis, 5729
muscular, & blink rate, 419
& incomplete task, 3689
muscle, & maladjustment, 7230
& physiological activity, 2288
psychic, & personality, 547
reduction, group approach, 4121
Tepehuan, concrete behavior level, 7405
Tepoztlán, social change, 4199
Terminology, in colorimetry, 6989
psychology, 8320
scientific, textbook, 5340
Testamentary, capacity, test for, 7782
Test Anxiety Questionnaire, scoring norms, 2671
Testes, morphology, in schizophrenia, 4680
undescended, intelligence, 1384
Tests, aircrew classification, 5017
Air Force Classification, 5016
Airman Classification Battery, 7224, 8140
air traffic control selection, 5012
alcoholism personality, 4571
Allport-Vernon Scale of Values, 3352
Analytic Reactometer, 405
for arc welders, 3367
arithmetic computation, 3571
Armed Forces Qualification, 8156, 8157
Army Classification Battery, 5016, 8168
Army Officer Efficiency Report, 8122
Army Personality Inventory, 7559
attitudinal motives scale, 6017
auditory digit test, 4334
auto driving aptitude, 8153
Aviation Cadet—Qualifying, 8647
Behavior Preference Record, 5203
Bell Adjustment Inventory, 8729
Bender Gestalt, 1771(t), 2665, 4354, 4361, 4376, 4678, 7515, 7525
Biographical Inventory, 3558
Blacky Test, 2627
Bolt Assembly, 9086
Bonnardel Complex Reaction, 9077
Blum-Fieldsteel Developmental Chart, 1845
brain damage detection, 1785(t)
Brief Survey of Arithmetic Skills, 8004
Business Judgment, 5196
California E-F Scale, 6011
California Test of Mental Maturity, 8070
camera knowledge, 1674
Card Sorting, 94
Cassel Psychotherapy Progress Record, 7577
Cattell F Test, 8720, 8721
Cattell Infant Intelligence, 4353
Centers Conservatism-Radicalism, 719
competition attitude scale, 729
Complex Coordinator, 1627, 5006
Cooperative English, 4863
Cornell Index, 3338
Counseling Attitude Scale, 4917
Craig American History, 4864
critical thinking, 108
Detroit Clerical Aptitude, 4997(a)
Diagnostic Reading Tests, 1579
dot organization, 2111
Drake Rhythm, 4396
Dramatic Production, 8101(t)
Draw-a-Man, 2663, 2667, 7208
Draw-a-Person, 950, 2648, 4412, 4713, 4716
drawing, 4281
driver non-language, 8159
Dymond, Insight & Empathy, 2650
Eight Card Redrawing, 4338
Empathy, 4403
Essential High School Content, 6588
FPA Examination, 4985
family life attitude, 8307
Farnum Music Notation, 5201, 5692
Figure Drawing, 4696
Flight Aptitude Rating Battery, 3358
foreign language aptitude, 8006
Four Picture, 4401(a)
Freeman MA, 2903
Full Range Picture Vocabulary, 7700
General Aptitude Test Battery, 1565
General Culture, 9039(a)
Grassi Block Substitution, 105
Hamburg-West Yorkshire Group, 5202
handicraft ability, 3287(a)
Heiss Color Pyramid, 2681
Henmon-Nelson Mental Ability, 1567
high school achievement, 1563
Hindi Attainment, 8067
hospital adjustment scale, 4349
H-T-P, 2640, 2641, 2645
How Supervise?, 1672
Humm-Wadsworth Temperament, 3350
Hunter Social Attitudes, 8638
imagery, objective, 8549(a)
Index of Adjustment, 2618
Institute for Personality & Ability, 4341
intellectual efficiency, 4357
intelligence, in Hindi, 7504
structure, 5197
interests, pre-school, 106
Interpretation of Data, 9039(a)
Iowa Multiple-choice Picture Interpretation, 8722
IPI Merit Rating, 8306
job satisfaction scale, 5020
judgment maturity, 4336
Junior Personality Quiz, 7514
Jurgensen Classification, 1624
juvenile delinquency, 7301
K.D. Proneness Scale, 6768
Kent-Rosanoff Word Association, 7557, 7558
Koh's Blocks, 8715
Kuder Preference Record, 2636(a), 3342, 3352, 3385, 8114, 8729, 8788(a), 8789(a)
Kuhlmann-Anderson Intelligence Test, 1574
Kuhlmann-Finch Intelligence, 8305
L-M Fergus Falls Behavior Rating Scale, 2657
Lamparter's, 659
Leaders Reaction, 7374
leadership, interview, 7373
for leathercraft worker, 3337
Linguistic Aptitude, 1569
listening comprehension, 3193(a)
Looking at Groups, 4166
Manifest Anxiety Scale, 4582(a), 8714(a), 8722
map reading, 1581
Matrix, 4999
McKinney Reporting, 1705(t)
mechanical, aptitude, validation, 5007
comprehension, 3359
Military Subjects, 8133
Miller Analogies Test, 227
Minnesota Engineering Analogies, 1847
Minnesota Rate of Manipulation, 7530
Minnesota Revised Occupational Rating Scale, 9074
Minnesota Teacher Attitude, 1584, 3305, 4968, 9052(a)
Mira Psychodiagnostic, 4394

Mooney Problem Checklist, 6577
Mosaic, 6065
motor rhythm, 3848
Object Recognition, 7508
O'Connor Finger Dexterity, 3349, 4344, 5509
Passalong, 2655, 6032(b)
Perceptual Reaction, 4330
Personal Values Inventory, 966
personality inventories, clinical use, 939
Personnel Classification, 6599
Picture Interpretation, 4378
Pintner Intermediate, 1567
Pintner-Patterson, 947
Porteus Maze, 8730, 8865
Primary Mental Abilities, 1904
Progressive Matrices, 8728(a)
psychomotor, for flying, 5002
Purdue Pegboard, 3345
Race Attitudes, 734
reading, comprehension, 6495(a)
prediction, 4860
Rocket launching performance, 8171
Runner-Seaver Personality, 3479(t)
S-I Inventory, 1849
Sado-masochistic Attitudes, 7731
Sakellariou Personality Scale, 1851
Sales, Comprehension, 5199
Motivation, 5200
Personnel Evaluation, 8152
science, data interpretation, 7995
problem solving, 3221
scientific thinking, inductive, 2243(a)
Security-Insecurity, 7555
Self Description, Blank (Transport), 8155
soldiers, 8175
Semantic Test of Intelligence, 4366, 8190
Series Completion, 4405
Short Employment, 1844, 3339, 8194
SMU Motor Fitness, 8465
Socially Competent Person, 8729
Softball batting ability, 8471
Spatial Apperception, 4994
speech sound discrimination, 4854
spelling, 6483
SRA Youth Inventory, 9026
Stanford Achievement, 8080
Stenquist Mechanical Assembly, 6050(b)
Strong Vocational Interest, 1621, 1626, 8785(a)
Strong Vocational Interest Blank for Women, 7655(a)
structural dexterity, 1618
Study Methods Test, 1553
Supervisory Behavior, 1635
Survey of Object Visualization, 7512
Taylor Manifest Anxiety, 2683, 7526
teacher rating scale, 3313
teaching, competency, 3308
interest, 3306(a)
Templin Articulation, 6284
Test Anxiety Questionnaire, 2671
textile operator selection, 5009
Tree Test, 972
Values Intensity, 3914
vehicle repairman, film, 8093
Vineland Social Maturity, 1756(t), 4347
vocabulary, France, 4348
Vocdé, 1843
Vocsy, 1843
Walther Battery, 4339
Wartegg Drawing, 934, 5118(t), 6060
Weinberg's V-Test, 7512
Wiggly Block, 6047(a), 6590(b)
winch operator battery, 3355
Wisconsin Supervisory Inventory, 3467(t)
woodworking ability, 4941(a)
word, -association, 4391
projection, 6594(a)
(See also by name in main alphabet)
Tests & testing, achievement, item construction, 8092
review, 1556, 1562
in anthropology, 5865
aptitude, rate scores, 8074
review, 1571
validity, 3341
Aviation Cadet selection, readability, 9084
battery, validation, method, 1862
validity, & time, 3554
behavior, rationalization, 7560
case record, 2676
in cerebral palsy, 3111
characterological, 6014
classroom, 8067
clinical, limitations, 4298
psychiatry, 2692
rapport in, 2622
use, values, 924
validity, 2624
in vocational guidance, 4500
coaching, influence, 1559
& practice effects, 2261
college, course in, 6865
entrance, uses, 4936
conditions of, & item validity, 8089
construction, & local teachers, 8076
textbook, 5205
& validation, techniques, 3571
continuity-type question, 6564
discriminating power, method, 1885
Drake Musical Memory, 7249
drawing as, 976
education, review, 1557
electronic computing machine, 6817
in engineer selection, 9076(b)
ethics of, 2688
evaluation, personnel use, 3351
extreme position set, 2615
faking, indicators, 4998
field, for infantry effectiveness, 8125
for foreman effectiveness, 5019
guessing, correction for, 8784
effects, 3297
responses, & personality, 9044
history of, 8735
IBM scoring machine, 6816
individual, group use, effects, 6068
in industrial training, 1601
interpretation, & oral problem solving, 8503(a)
item, recognition, & score, 1576
selection, & criterion group, 3569
method, 5233
in job assignment, 8173
keying, methods, 3558
machine processing, 6800
manual, as communication medium, 8083
mental, ability, review, 1575
disorder prognosis, 2695
hospital, 2591
reliability, 6793
motor ability, review, 5556
multiple, choice items, 5216
score, discriminating power, 6801
Negro scores, & socioeconomic status, 5884
non-coramittal responses, 7546
objective, absolute grading standard, 8085
reasons for responses, 3292
officer aptitude, non-intellectual, 9085
one & two tailed, 3594
optimal time limits, 3556
pattern analysis, 6799
perceptual, factor analysis, 3735
performance, & clinical judgment, 4353
& conditions, 9080
rocket launching, 8171
personality, psychological models &, 7211
personnel selection, factors, 6633
in pilot training, 1630
practice, & college grade prediction, 6583
profiles, interpretation, 3567
in psychiatry, 2599, 8712
psychomotor ability, review, 2163
in psychosomatics, 6408
in public schools, 1580
Puerto Rican screening, 7234, 7235
punched card analysis, 6797
readability of, 8729
level, 3290
reliability, & test length, 1854
research personnel, 5001
rights & wrongs scores, factors, 3572
school, & growth measurement, 3286
in schools, independent, 1578, 4952
private, results, 8091
score, adder for, 8302
changes, factory workers, 1625
in psychotherapy, 4410
computer, 6765
interpretation, to parents, 9047
reports to parents, 3295
theory of, 1886
vs. trait, 5227
scoring, machine, requirements, 6796
punched cards, 6809
selection, Air Force schools, 6636
of tests, 6823
use, validity, 9083
for workers, 8143
short test predict aggregate score, 5235
single item, personnel screening, 5005
situation, anxiety in, 968
in military use, 6669(b)
speed & power components, 3581
stress sensitive, 7560
technical recommendations, 8692
temperament rating from, 2668
tester's skill, 6593
textbook, 1846, 2661, 6030
theory, review (1953), 5208
true-false, instructions & scoring, 953
validity, & item difficulty, 8312(a)
non-parametric maximizing, 3614
& purposes, 921
in vocational guidance, 2805
in West Germany, 5126
Tetraethylammonium, & fear, conditioning, 3937
reduction, 3900
Texas, University, psychological laboratory, 87
Textbook, illustrations, integration, 7973
pictorial illustration, value, 6521
psychology, authorities cited, 8348
readability, 8355
Textbooks, abortion, therapeutic, 7883
adjustment, personal, 5995
adolescence, 5753
aesthetics, 5701
aged, care of, 8611
air transportation, human factors, 3412
allergic child, 8928
anthropology, 2387
cultural, 5791, 5864
aptitude tests, 6030
art, philosophy of, 598
attitude measurement, 8655
autonomic nervous system, 1992
brain operation, 2014
child, adoption, 2331
care, 650, 651, 5735, 5750, 7276
development, 639, 5721, 5722, 7280
boys, 5745
guidance, 6151, 6156
mental health, 2788
school difficulties, 6580
classroom testing, 8067
climate & behavior, 234
clinical reports, 2568
color vision, 5451
communication, speech, & hearing, 843
community organization, 2399
counseling, 5997, 6703
pastoral, 885
popular, 2565
services, layman's guide, 899
creativity, philosophy, 8274
crime, psychopathology, 2976
criminology, 1283, 2980
culture & personality, 7401
decision, design, 5210
delinquency, 7783
delinquent boy, 2962
dreams, 5652
econometrics, 3589
education, action research, 3171
research, 6463
slow learner, 6554
special, 3246, 3258, 6555
supervision, 3302
educational, guidance, 3275, 3278
measurements, 3291, 8078
sociology, 4804
ethics, 5170
experimental design, 136, 1836
factor analysis, 8313
family, 792, 5908, 5930
& marriage, 2531, 5939
relationships, 2527
fatigue, 5511
feebleminedness, 2876
genetics, clinical, 6367
graphology, 2610
group, dynamics, 2395
psychotherapy, 6071, 6139
social work, 2423
work leader, 7355
guidance, & counseling, 2583
high school, 6574
habit breaking, 8281
hearing, 7072
disorders, 7063
heredity & mental disorders, 6187
homosexuality, 2946
human relations in business, 3435
hypnosis, medical, 2762
hypnotherapy, 1065, 2759
hypnotism, 5565
IBM computer manual, 8314
illiteracy, 3174
individual differences, 1800
industrial human relations, 3318
information theory, 6790
intergroup, education, 8992
relations, 2446
juvenile delinquency, 6320, 6321, 8862
language, philosophy of, 5948
sciences, 5947
structure, 5971
learning, 5635
theory, 8995

love, types of, 458
manic depressive psychoses, 6344
marriage, 797
& family, 814, 5903, 7426
mental, hygiene, 2574, 5989, 8698, 8701
family, 7487
popular, 8790
tests, 1846, 2661
mind, 77, 534
minority prejudice, 769
motivation, 5581
theory, 5574
music therapy, 8765
narcotic, addiction, 7745
traffic, 6324
nervous transmission, 5381
neuroanatomy, 272, 285, 3712, 5377
neurophysiology, 1978, 5382
nightmare, 4577
old age, 5770
oneirics & psychosomatics, 2827
opinion measurement, 8655
opossum, 407
parapsychology, 5137, 5588
pediatrics, exceptional child, 8778
perception disorders, 299
personal adjustment, 1794
personality, 560, 2271, 2282, 5669, 5678, 5681
assessment, 2684
psychoanalytic theory, 549
theory, 8273
personnel management, 3326
philosophy, 4, 1786, 1787, 1801, 1814, 3489, 5168
operational, 5171
of science, 20, 1831, 5183
physical rehabilitation, 3155
physically handicapped, adjustment, 4795
prejudice, 7324
social psychology, 5896
psychiatric nursing, 2829
psychiatry, 1168, 1170, 2809, 2826, 2849, 4511, 6191, 8809
child, 2786
diagnosis, 208
forensic, 1130, 2833
for nurses, 2819
physiology, 2813
popular, 1167, 2838, 6177, 6204
psychoanalysis, 1807, 3495, 5150
anthology, 1796
& social work, 2572
psychology, 5133
Adlerian, 1804
adolescence, 607, 2342, 8584
applied, 3387, 6668, 8280
child, 623, 2313, 2344, 5732, 5747, 8590
clinical, 8702
comparative, 6736
criminal, 8875
cultural, 2413
developmental, 5704, 5705
differential, 8276
educational, 7938, 7941, 8964, 8965, 8966
engineering, 8260
experimental, 1840, 5135
general, 3, 1789
genetic, 5707
industrial, 3380
interpersonal, 9
introductory, 1, 2, 5, 8, 15, 1791, 1802, 5139, 6735, 8283
Jungian, 35, 62, 5151, 5159
of music, 590, 8671
pastoral, 5983
practical, 13
professional, 5304
of selling, 1667, 3433
social, 695, 1820, 2391, 5810
methods, 3542
of wholeness, 8278
psychopathology, 2811
psychosexual infantilism, 4594
psychosomatics, 3067, 3070
gynecological, 3095, 4729
psychotherapy, 2735, 2774, 7568, 7599, 8774
client-centered, 6141
group, 2756
self, 1040
theory, 1048
public, opinion, 2388
speaking, 837
Q-technique, 6810
reading, 3189, 6486
improvement, 8011
Rorschach Test, 926, 2607, 2666, 4390, 7533
sampling techniques, 116
school-home relations, 4799
scientific, method, 5188
terminology, 5240
theory, 86
self, nature of, 552
self-confidence, 6000
sensation, 330
servomechanism mathematics, 149
sex offender, 7788
social, class, 4115
insects, 5541
problems, 2433
research, 8649
design, 5844
theory, 5823
societies, 2442
society, industrial, 8618
sociology, 683, 2436, 5799, 5816
of America, 2456
rural, 2449
urban, 2435, 5927
sociometry, 4178
sound, 8457
speech defects, 2950
statistics, 116, 127, 135, 1883, 5214, 6788, 6824, 8309, 8315
inference, 1898
step child, 648
student, personnel, 6563, 6582, 9028
progress, 8090
superior child, 608
supervision, 3327
survey sampling, 5855, 5856
teaching, -learning, 3180
methods, 8962
test construction, 5205
thinking, creative, 5646
unmarried mother, 7440
vision, 3826
Wechsler-Bellevue Scale, 2664
Textile operator, selection test battery, 5009
Thalamotomy, & hearing, 392
for psychosis, 1344
Thalamus, injured, behavior changes, cat, 5378
projection system, monkey, 2009
& psychological functions, 5362
tactile projection, monkey, 280
rabbit, 288
Theater, architecture, audience &, 5693
audience reaction, 4272
14th century, psychology, 583
Thematic Apperception Test, African form, 6035
bibliography, 2677
children's responses, 8710
clinical group differentiation, 2810
college student vs. prisoner, 8719(a)
content & need achievement, 6041
& dream content, 6006
facial similarity, effects, 2689
under hypnosis, 1114
identification & ego defensiveness, 4343
intercard reliability, 964
with mental defectives, 1176
Navy modification, 8716
Negro vs. white boys, 5868
picture ambiguity, & fantasy, 4367
& psychotherapy, 971
reliability, 7549
schizophrenics, reactions, 2893(a)
scoring, blank, 946
method, diagnostic, 945
in psychoneurosis, 943
& self, awareness, 3482(t)
-interpretation, 4373
sex differences, 4372
values of, 935
vs. Rorschach, 2675
women's responses, 4350
Themisone, & electro-seizure, 5373
Theory, construction, method, 3530
& hypothetical construct, 6747
measurement, & mathematical models, 8289
Theosophy, & psychiatric symptoms, 885
Therapist, role, group psychotherapy, 4448
Therapy, active relaxation, 6092(b)
activity, mental hospital, 4480
art, alcoholism, 1256
carbon dioxide, 1041, 1043
evaluation, 8760
neuroses, 3061
physiology, 4693
review, 2723
coma, U 500 insulin in, 2748
dance, mental hospital, 6079
drugs, in psychotherapy, 1021
educational, mental disorders, 8757
electrical methods, 2705
encyclopedia, 8743
ether, vs. electroshock, psychophysiology 1747(t)
family social work, 2563
focal stimulation, 7615
histamine, mental disorders, 2755
hypnotic drug Dormison, 2746
hypoglycemic coma, 1080
insulin, coma, method, 4426
phantasy in, 2758
vital signs, 3022
evaluation, 1023
milieu, 1066
music, textbook, 8765
physiodynamic, review, 6150
physiological, review, 1093
psychosis, evaluation, 3039
sleep, Pavlovian theory, 8772
somatic, in psychosis, 8756
team, nurse in, 6108
theory, & definition, 6692
Thiamine, deficiency, & intake, 5339
selection, & deprivation, rat, 3863(a)
Thiamylal, in shock therapy, 2728
Thinking, ability, factor analysis, 7194
factors, 4009
abstract, psychoanalysis, 7200
Tepehuan, 7405
animistic, college student, 3232
child, & epistemology, 5748
coin problem, factors, 2258
conceptual, of deaf, 7933
problems, 7197
in psychosis, & amytal, 7809
creative, factor analysis, 5653
textbook, 5646
critical, & reading training, 1466
test for, 108
in dreams, 5649
& language, 2259
analysis, 5946
logical, attitudes &, 535
man & animal, 8553
nature of, 2253
neural discharge theory, 4014
overinclusive, schizophrenia, 6347
pathological, Rorschach index, 2666
process, development, 541
processes, physician, 534
& projective techniques, theories, 2254
reality past & present, 4012
reflective, habits, 4006(a)
schizophrenic vs. brain damaged, 3450(t)
scientific, test for, 2243
small group, 2397
& speech, delayed recording, 2244
theories, critique, 4011, 4018
Thirst, & exploratory behavior, 5534
& food deprivation, 5561
& hunger, discrimination learning, 5626
psychophysiology, 2181
satiation, & choice-point, 5632
vs. hunger, learning, 477
Thorndike, E. L., biography, 192
Thought, content, & emotion, 7114
tactile, & blind, 7918(b)
Threat, & defense, theory of, 886
defenses against, 5673
& response, mice, 3480(t)
Thrombophlebitis, & emotional stress, 3097
Thumb, length, & personality, 564
Thumbsucking, & infant feeding, 8855
Thyroid, in speech retardation, 6279
Tic, motor behavior &, 1356
Timbuctoo, culture of, 760
Time, abolition, Hindu Upanishad, 748
binding, & human nature, 3524
concept of, 311
history, 3491
discrimination, vision, 2121
error, vision, & personality, 6989
& visual size, 5439
estimation, & sound intensity, 318
interval discrimination, 3717
perception, & parent conception, 3725
& self organization, 5100(t)
& stimulus duration, 2070
projection, in hypnosis, 2168
psychological, & voluntary movement, 5545(b)
relations, child understanding, 2317
reproduction, factors, 6940(a)
sense, & thermodynamics, 5388
series, tests of fit, 151
Time study, apparatus, 99
dictionary, 6697
personnel, test performance, 5097
training, 5070
program, introduction of, 3410
work pace errors, 3411
Toda, family, psychoanalysis, 5889
Toggle switch, manipulability, 3395
Tone, discrimination, & cortical ablation, 2134
frequency level scale, 2140
loudness, subjective multiplication, 7064
medial geniculate body response, 1963

melodic octaves, & scale position, 8568
memory, music student, 389
paired, muscle tension response, 7106
patterns, & auditory cortex, 380(a)
pitch, & visual stimulation, 1772(t)
pure, brain localization, 382(a)
intense effects, 377
subjective octave, 1775(t)
Tongue, flexibility, in cleft palate, 1271
Tonsillectomy, child's preparation for, 4099
emotional trauma, child, 8917
Topography, orientation, ability, 8496
Torticollis, psychotherapy, case, 4723
Tortoise, giant, color vision, 3810
Touch, behavior, & withdrawal, 1713(t)
electric stimulation threshold, 6947
Gestalt theories, 3529
harmonic stimulus, cockroach, 5403
localization, 8396
perception, Gestalt theory, 1816
projection, thalamic, rabbit, 288
reaction time, 7090
roughness, & brain areas, 2046
sensitivity, measuring, 978
simultaneous stimuli, perception, 2024
& size perception, 3720
spatial thresholds, variations, 6945
spinocerebellar pathways, 6916
thalamic projection, monkey, 280
thought, & blind, 7918(b)
Toxoplasmosis, & feeblemindedness, 7686(b)
Tracking, accuracy, & handedness, 2183
angles, errors, & practice, 469
behavior, apparatus, 5179
& control handle radius, 8492
display, -control, relations, transfer, 8462
variables, 6678
following & compensatory, transfer, 8461
kinesthetic feedback, 8242
one-dimension, learning in, 524
performance, & component activities, 8464
& physical constants, 7158
random signal, apparatus, 5182
sine wave, analysis, 6701
task variables, interrelations, 7097
visual, practice effects, 5618
Traffic, light, color blind, eyeglasses, 3390
research, human factors, 1651
safety, & driver, 5064
visibility, 9116(b)
Training, Air Force, basic, research, 5074
school, admission, 6636
auto mechanic, prediction, 8166
aviation, acceleration in, 3426
success & time to complete, 9114
clinical, for psychotherapy, 6874
combat crew, post-mission critique, 5063
devices, research problems, 8238
evaluation, Air Force, 6514
student comments, 1470
flying, (See Flying, training)
group, for executives, 3394
industrial, evaluation, 9069
Jamaica, 8109
industry, need, & effectiveness, 8263
evaluation, 1644
& tests, 1601
insurance agent, evaluation, 8266
of labor services workers, 6631
literature, readability, 1478, 1489
mental hygiene personnel, 2560
moral, child, method, 7256
for personnel executives, 3331
pilot, non-test predictors, 1614
& production, insurance salesman, 1664
small group in, 6511
student critique method, 1483
technical, race & sex aptitude, 6637
& trouble shooting performance, 3348
vs. experience, flight engineer, 4982
vocational, principles, 8252
Training Evaluation Check List, 1644
Trait, desirability, & endorsement, 551
Transfer of training, bilateral, pursuit movements, 3858
discrimination, interocular, 3982
& guided learning, 3190
motor, & practice distribution, 7167
& response similarity, 3953
retention time, 7142
skill, & age, 2238
tasks, difficulty factor, 2221
muscle potentials &, 8517(a)
negative, & brain lesion, 8035(a)
& latent learning, 506
verbal learning, 3980
& pacing, motor learning, 7170
& performance error restrictions, 2205
& practice distribution, 5592
& preliminary experience, 7150
psychomotor task, 486
in school subjects, 7965
stimulus predifferentiation, 3941(a)
suppression, & learning set, 515
& task similarity, 479
theories, review, 2238
trainer to aircraft, 6691
visual discrimination, ring dove, 3819
in water maze, 3974
& X-irradiation, 7161
Transference, & acting out, 7630
with aged, 7631
bases of, 1031
& catharsis, 2740
& character analysis, 6145
child psychoanalysis, 1098, 7604
counter-, & counteridentification, 1006
dynamics of, 6075
evaluation, 2772
& group, anxiety, 7629
psychotherapy, 7592, 7594, 7611, 7621, 7624
nature of, 2715
problems of, 6134
review, 7585
supervisory analysis, 2771
in training analyst, 6074
types of, 7583
values of, 1060
& empathy, 4457
in group psychotherapy, 7606
in hypnosis, 1073
& hypnotic evasion, 6096
to institutions, 1064
& introjection, 6094(b)
living by proxy, 1042
nature of, 6097
& present reality, 4469
in psychoanalysis, Jungian, 985
& resistance, 8766
evasive speech as, 6089
in group therapy, 1013
review, 8767
& suggestion to dream, 7115
Transient, social casework, brief, 6146
Transit operator, length of service, factors, 3485(t)
Transposition, behavior, theories, rat, 5610
& learning theory, 3958
theory, Hunter, 3947, 3957
Transvestitism, case, 4554
etiology, & dynamics, 7749
& homosexuality, female, 2884
perception, case, 1209
psychoanalysis, case, 4575
psychodynamics, case, 2934
Trauma, anesthesia, & hypnotherapy, 3077
psychic, from cinema, case, 8832
& symptom formation, 4523
Treatment, residential, case, 6239
destructiveness, case, 6239
Tree Test, environmental influences, 972
Tremor, & fatigue, 5506
finger, & color shock, 413
muscle, exercise & stress, 8481
recording method, 6759
Trinidad, social stratification, 7393
Triorchidism, libido, case, 6269
Triplets, Szondi Test with, 4385
Tristan and Isolde, psychoanalysis, 4057
Tropism, as behavior basis, 32
Trouble shooter, characteristics, 3361
Trouble shooting, electronic equipment, 5066
training, set, & performance, 3348
Truk, ethnology, & personality, 8668
men & women roles, 4195
Tuberculosis, autogenic training in, 1386
drive analysis, Szondi, 4721, 4726
education in hospital, 3248
electroshock therapy in, 3087
group psychotherapy, 4704, 7889
hospital, clinical psychology in, 2556
hospitalized, adaptation, 8923(a)
life stress, & Rorschach, 6018
as organ psychosis, 1321
personality, 3073
psychology of, 6393
Tumbling, rapid, reactions to, 8264
Turkey, village, social ranking, 773
Turtle, conditioning apparatus, 3540
Tutelo, harvest rites, 753
Twain, Mark, osteopathic cure, 5687
Twins, antisocial tendencies, case, 2897
anxiety hysteria, case, 4687
deaf & hearing mutes, 6460
differences, Müller-Lyer illusion, 7023
fraternal, psychoneurosis, 4696
identical, feebleminded, 7690
mental disorders in, 6198
Mongolism in, 4547
optometric data, 3779
personality differences, 7306
schizophrenia in, 1342
lobotomy, 4641
symbolic meaning, 7238
Szondi Test results, 4385
Type, constitutional, & behavior deviations, 4517
printing, size, & reading, 4841
Typewriting, learning, speed vs. accuracy set, 4871(a)
Typology, body, descriptive method, 8384
constitutional, Schlegel, 2285
of Japanese, 244
of mental disease, 7670
& personnel selection, 3334
Sheldon's, & blood chemistry, 243
& factor analysis, 240
& projective tests, 3457(t)
somatic, & skill & strength, 437

Ulcer, colitis, psychoanalysis, 1391
psychotherapy, 1382
duodenal, dependency vs. goal-setting, 7873(a)
symptoms after treatment, 4707
patient, family dynamics, 4311
peptic, anxiety theory, 4464
& EEG, 7871
individual characteristics, 3108
personality, passivity, 4724
psychoanalytic theory, 3076
psychosomatics, 6411
in schizophrenia, 7826
psychogenesis, 1388
sleep therapy for, 8912
symptoms, & vagotomy, 4722
vs. colitis, test comparison, 6408
in writers, 3437
Ultrasound, & neural tissue, effects, 294
Ultraviolet, light, color of, 2049
Unconscious, action, in industry, 6617(b)
& art symbolism, 4068
concept of, 5578
in indivudal psychology, 65
in interpersonal relations, 5812
Jungian, 1811
nature of, 4010
psychoanalytic concept, 1809
& serialism, 7113
in social behavior, 2420
Uncotomy, in psychosis, 1340
Understanding, comprehension, & explanation, 4020
& empathy, 7118
Unemployment, & personality, 6652
United Nations, attitude toward, change, 4139
Upanishad, Hindu, time abolition, 748
Urban, adjustment to, 806
area studies, 2460
child, science attitudes, 7959
community, social conferences, 7438
family structure, 5922
marriage success prediction, 5934
-rural, fringe, research on, 8644
social group, 4230
opinion differences, 789
social characteristics, 8674, 8675
sociology, collection, 5927
textbook, 2435
survival, foundations, 5817
Urination, recording, apparatus, 5190
Urticaria, personality in, 1403
psychogenic, 4714
Uruguay, juvenile delinquency in, 6306
mental hygiene in, 5987
Utility, choices, axioms, 1875

Vagotomy, psychosomatic aspects, 4722
Vagrancy, juvenile, 1279
Validity, examination, punch card, 3568
& item difficulty, 8312(a)
test, non-parametric maximizing, 3614
Validation, test battery, method, 1862
Valuation, in recognition & recall, 3451(t)
Value, concept, in educational psychology, 7948
group, common vs. discrete, 5918
as interest, 5170
moral, & social research, 5854
in newspaper, communication, 5965
preferences, & language, 5955
as psychotherapeutic problem, 6105
& social psychology, 5794
theory, & attitude structure, 7363(a)
contemporary, 3509
& personality, 3520
vs. evaluation, in aesthetics, 2305
Values, adolescent, & social status, 2326(a)
attribution of, automorphicprocess, 2434
college student, & major field, 9008(a)
cultural, 2413
English vs. American, in child behavior, 4192
individual, & social choice, 2405(a)
intensity, measuring scale, 3914
& interpersonal perception, 681

Values
Visual acuity
judgments, social science, 8839
measurement of, method, 7371
& perception, critique, 3716
in psychiatry, 4513
& reality judgments, 7334
& social class definition, 3450
Van der Hoop, J. H., essays, & bibliography, 21
Van Gogh, psychiatric study, 503, 2300
unconscious in, 2299
Variability, estimation, successive readings, 3586
Variables, intervening, vs. hypothetical constructs, 8291
Variance, & covariance components, 1874
sample, correlated, 1888
Variance analysis, of latency data, 138
sequential methods, 5220
vs. Neyman-Johnson technique, 3553
Vein, pressure, conditioning, 8514
Venezuela, regional psychology, 5876
Verbal, abstractions, child comprehension, 6518
association, & meaning scale, 508
behavior, & personality syndromes, 4306(a)
fluency, 3216(a)
ability, 5658
& Rorschach, 958
& teaching success, 3310
intelligence, deaf, 7921
report, problem solving, 2239
vs. numerical aptitude, & achievement, 4865
Verbalization, field conditions, influence, 7470(a)
Verdun Projective Battery, 4370
Vertical, perception, & line inclination, 2110
non-visual, 6934
visual & proprioceptive, 2057
phenomenal, blind subjects, 5386
postural, & labyrinthectomy, 2146
perception of, 8394
& visual non-vertical, 2145
Vertigo, neurotic, case, 4700
postural, & positional nystagmus, 7081
Vestibule, analyser, & cerebral cortex, 386
conditioning study, 5479
functions, & menstruation, 2143
nerve pathology, & eye-rolling reflex, 2096
nystagmus, & rotation, 2137
reaction, & rotation habituation, 5393
stimulation, & salivary conditioning, 5613
stimulus size, & rotation habituation, 3837
system, central projection, 279(a)
Veteran, attitudes, political & economic issues, 5921
college achievement of, 4828, 7968(a)
Veterans Administration, hospitals, group therapy in, 7586
psychology department, 5982
Vibration, mechanical, physiological effects, 307
prolonged, physiological effects, 1964
sense, vs. electrical, skin, 3740
sensitivity, skin, 3738
Vicariousness, motor activity, & autokinesis, 5391
motion perception, 5396
Vico, J. B., sociology of, 3638
Vineland Social Maturity Scale, Honolulu standardization, 1756(t)
manual & review, 4347
Violence, sociology of, 8873
Virchow, R., biography, 5271
Virgin Mary, in Christian doctrine, psychoanalysis, 2524
Viscera, conditioning, dogs, 8515
Viscidity, group, measure of, 4166
Visibility, from aircraft, monocular, 8233
& visual acuity, 6690
colored windshield, 8251
-invisibility cycles, 5425
numerals, size proportions, 3425(a)
target, & movement speed, 3809
speed, 1755(t)
& tinted windshield, 6683, 6696
in twilight, of stars, 3429
Vision, adaptation, & depth perception, 8447(b)
mechanism, 6959
neural factors, 3798
photochemistry, 354
rod-cone, luminosity curve, 3761
in aerial mapping, 3417
apparent size, & restricted field, 9109
apprehension span, 7119
attention, & alpha rhythm, 2013
& audition, & prose comprehension, 6943
in aviation, 8243
problems, 1656
binocular, central & peripheral fusion, 3831
difficulties, investigating, 7004(b)
false retinal correspondence, 8432
& flying, 8256
& foveal coordination, 3815
fusion, development, 8434
& handedness, 5417
motor tests, 352
parallax, measuring, 3812
space, Luneburg theory, 3756
summation mechanism, 7045
suppression theory, 5434
brain stem responses, 6902(a)
brightness, & sound loudness, 5407(a)
central vs. peripheral, autokinetic effect, 6998
child's examination, 3748
chloroquine effects, 6967
closure, 3742(a)
cortical center response, 2002
demonstration center, 5464
differential light threshold, 341
discrimination, apparatus, 3534
& cortical lesion, 5460
factors, monkey, 3828, 3829
& fear motivation, 8524(a)
monocular, transfer, 3962
training, & rodless retinae, 7162
transfer, ring dove, 3819
dramamine effects, 3771
duplicity theory, & neurons, 5449
efficiency, & optokinetic eye movement, 8439
egocentric localization, 6963(a)
& engineering psychology, 6677, 6693
excitation, molecular basis, 5469
experience, & discrimination learning, 368
extent, time-error, 1768(t)
eye, characteristic curves, 8427
focus, depth, 3824
& lenses, 3830
fatigue, 5416, 5472
factors, 7041
& lighting, 5081
measurement, 3801
& muscle potentials, 5461
field, distortion, & after effects, 6969
illumination, & autokinetic effect, 6997
infra-red fixation, 353
multifocal lenses, 376
& optic neuritis, 5424
organization, & brain damage, 8947
psychological interpretation, 8441(b)
figure-ground, & cerebral neoplasms, 8930
fixation, & eye tremor, 6985
flash rate perception, 7042
flicker, illness, 5467
perception, & auditory stimuli, 3786
form perception, experiential factors, 8406
foveal, & light in sclera, 2072
functions, & EEG, 5455
gamma movement, 2050
& geniculate body, 3701
& hemianopic areas, 2051
at high speeds, 8257
horopter determination, 8430(b)
& illumination engineering, 6689
image movement, & fixation, 8442
industrial workers, 3427
in industry, 6676, 6688
insects, flying vs. non-flying, 6952
intensity discrimination, 2091
factors, 6725(t)
& interior lighting, 6690
& intermittent light, 8421
latency, & intensity, 6950
length estimation, 7012
light adaptation, 5419
& target detection, 8231
line target thresholds, 2058
low illumination, quanta, 3814
luminance, attenuator, apparatus, 3538
& illumination engineering, 6698
luminosity curve, & visual purple, 7019
malingering, testing, 2054
metacontrast, 3747
mirror, & dyslexia, 7991
motor reaction, beetle, 7107
movement discrimination, apparatus, 1822
near point, lability, 7046(b)
neural, correlates, 7043
path, photic stimulation, 1994(a)
quantum theory, 3756
night, (See Night vision)
one eye color adaptation, effects, 2078
& optic tectum, amblystoma, 6880
parafoveal field limits, & stimulus, 8408(b)
perception, & brain injury, 4732
contour, 3792, 3793
deaf child, 4788
& environment, 339
exogenous feebleminded, 8830
minimum duration, 8429(b)
in reading, 4812
separate eyes, 5441
& speech, 865
speed & acuity, 336
statokinetic factors, 344
3-dimensional, & memory, 3827
performance, & accommodation, 3751
peripheral, word recognition in, 1474
& personality, 548
photochemistry of, 7034
physiology of, 3745
review, 2064
pigment, modulator properties, 6970(a)
& pitch perception, 1772(t)
polarized light, bee, 327
& production, sewing machine operator, 5015
quanta, & light adaptation, 3758
quantum theories, 6955
rainbow rings, origin, 3780
reaction time, & α rhythm, 371
& luminance, 8463
& reading, 4872
review, 4818
receptor element, electrical response, 2084(a)
receptors, rodent, 2032
recognition speed, apparatus, 3550
Research Institute, Ohio State U., 5426
resolution limit & coherence, 5415
response, with closed eyelids, 5447
complexity, single flash, 325
retinal, chemistry, 2097
correspondence, apparatus, 3769
review (1953), 5459
of road users, 8259(b)
rodless mice, discrimination training, 6991
rotary field, & motion sickness, 5503
& school, achievement, 3208, 6475, 7979
survey, 8448
scotopic sensitivity distribution, 360
screening, methods, schools, 6975
in schools, 7017, 8022, 8034
sensitivity, & autonomic activity, 6731(t)
& silent reading, 1471
simulated scope display, 8230
simultaneous contrast, & field separation, 6993
size, comparison, time-error, 5439
differences, meridional, 2062
perception, & distance, 5457
space orientation, 5473
spectral sensitivity, flickering stimulus, 6980
stereoscopic, & size constancy, 3822
tests, review, 8418
stimuli, & head torsion, 7076(a)
stimulus duration, & time error, 2070
subliminal, discrimination, 369
telencephalic, birds, 7010(b)
temporal discrimination, 2121
textbook, 3826
theory, Berkeley, 2109
threshold, automatic apparatus, 6297
& brightness differences, 2079
curves, 2055
& dark adaptation, 3750
experience vs. organization, 5468
figure stroke widths, 3752
heteromodal effects, 1703(t)
& light quanta, 8409
moving point sources, 5418
& neural lesions, 3787
& red light effects, 3794
scotopic, retinal areas, 7016
time error, & interpolated stimuli, 6988
in twins, 3779
ultraviolet perimeter, 2083
vertical estimation & age, 7013
Vieth-Mueller circles, distortion, 3770
visual purple, chemistry, 7035
composition, 7019
world of, rat, 5436(a)
(See also Brightness)
Visual, perception, & reading speed, 7962
representation, tests of, 7512
Visual acuity, in central retina, 7008
chart vs. Ortho-rater, 7028
clinical testing, 337
in dark adaptation, & luminance, 6962
at dawn, seasonal variation, 8445
& eye movement, 2112
mesopic, tests for, 7029
moving target, 6690
nomenclature, 2105
normal, & eye defects, 3775
Ortho-rater, & illumination, 7033
& perception speed, 336
photopic, tests for, 7030
scotopic, & brightness, 2123
vs. photopic, 7031

screening tests for, 361
test, apparatus, 7006(b)
object orientation, 5445
& vertical eye movement, 3800
Visual aids, films, commentary in, effects, 6526
effects of introductions, 6508
& filmstrips, elementary school, 6519
note taking & learning, 4810
psychology, review, 3684
ratable characteristics, 6480
sound, influence, 6512
vocabulary learning, 3207
(See also Film, instructional)
filmstrip, high school, 4831(a)
kinescopes, evaluation, 6993
for retarded children, 1534
& school learning, 1482, 1488
Visual defects, agnosia, case, 6431
& child development, 4787
in classroom, 1523
education, public schools, 1521
special, 8048
field, & brain injury, 6956
intelligence tests of, 8455
& maternal attitudes, 6445
nerve trauma, case, 333
psychological etiology, 7868
reading learning, 8975
school children, 3170
vocational rehabilitation, 7923
Visual purple, from fish, 3090
frog vs. human, 8413
optical density, 5462
regeneration, & carcholin, 8415
Vitamin, A, & dark adaptation, 6978
& rhodopsin, 347
& academic achievement, 3191(a)
thiamine deficiency & intake, 5339
Vives, J. L., psychology of, traits in, 5283
Vocabulary, auditory vs. visual, child, 7952(a)
Binet, & MA, 7516
child, size, 7960
choices, & grade level, 3211
development, elementary grades, 8981
growth, & reading, 6525
learning, film presentation, 3207
& reading, 3205
skills, 6520
retarded college readers, 3219
semantic structure, 8691
for slow learner, 4813
test, children, France, 4345
scores, college students, 7552
single item, 5005
Vocsy & Vocdé, 1843
& word meanings, 6488
Vocal response, & aural stimulation, 8449(a)
Vocation, aptitude, & personality, 8786
tests, apprentices, 6629
aspiration, high school student, 3237
& social class, 4241
choice, achievement, Negro, 4499
high school student, 4895
Israeli children, 2804
& maladjustment, 6657
& maturation, 1119
& mental ability, 6174
motives, teachers, 6606
Negro college student, 6535
& personality, 4497
factors, 1120, 4498
psychoanalysis, 7651
science, girls, 6484
classification, & interests, 6172
courses, college, 1535
development, theory, 1122
education, for feebleminded, 2869
goal stability, college student, 3276(a)
goals, & counseling, 1110
& intelligence, 2260
interest, apprentices, 6170
basis, hypnosis, 2802
of child, guiding, 8586
& curriculum, 4875
patterns, mental disorders, 1777(t)
stability, 2799
validity, 1121
interests, aviation cadets, 8151
college women, 1766(t)
girls, formation, 8784
high school student, 6169
homosexuals, 4572(a)
of nurses, 1679
& personality, 6171
pictorial inventory, 7657
projective test, 7649
& scholastic performance, 3462(t)
& socioeconomic factors, 8782(a)
teachers, 6607
& mental disorders, 7864
Minnesota Rating Scale, 9074
need vs. job satisfaction, 6663
placement workers, training, 6631
preference, high school student, 6176
professional worker, 662
skills, & socioeconomic structure, 2517
social, adaptation to, 1597
grading, Australia, 4246
status, New Zealand, 744
training, principles, 6252
Vocational guidance, agencies, directory, 2800
in Brazil, 6175(b)
Career Pattern Study, 1109
career patterns as basis, 7646
characterological examination, 6014
& child psychiatry, 7650
child's professional illusion, 4503
client, reaction, 1111
test selection, 4506
clinical tests in, 4500
counseling, client centered, results, 7636
& self-knowledge, 4501
counselor preparation, 8787
of emotionally disturbed, 7658
of engineers, 7656
feebleminded, 2857, 7701
in Germany, 1112
in Great Britain, 6173
of immigrants, 2801
individual for career, 1115
Jewish Vocational Service, 1113
job information & description, 7653
of mentally retarded, 2856
methods, & vocational goals, 1110
& military experience, 8783
occupational, assessment, 7654
orientation, methods, 9022(a)
parent education program, 4502
personality theory in, 1117
& personnel selection, 8781
postulates of, 4505
problems & methods, 6168
process factors, 1118
in rehabilitation, 3164
& Rorschach group test, 3454(t)
school, values, 4504
& success concept, 7652
Sweden, school, 1546
TAT under hypnosis, case, 1114
tests in, value, 2805
theoretical perspective, 2803
of women, 4507
& youth professional initiation, 1116
Vocations, actor, 1685
air traffic control, 5012
airplane mechanic, 5073
arc-welder, 3367
coal miner, 5000
computing machine operator, 5011(a)
crane operator, 6635
electrical dispatcher, 9070
engineering aide, 1763(t)
flight engineer, 4982
insurance, agents, 1671
manager, 1672
salesman, 1664
leather craft worker, 3337
nurse, 1679
office workers, 6642, 9071(a)
personnel director, 6138
placement workers, 6631
psychiatric technician, 6861
radio repairman, 8008
sailor, 1655
sewing machine operator, 5015
social, case worker, 7477, 9117, 9118
work supervisor, 3436
sonar operator, 5010
stator winder, 1773(t)
tabulator operator, 9088(a)
taxi driver, 1617, 9112(a)
technical, job analysis, 3440
telephone operator, 6634(a)
textile operator, 5009
time study specialists, 5097
transit operators, 3485(t)
trouble shooter, 3361
watchmaking, 7917
winch operator, 3355
Vocdé Test, 1843
Vocsy Test, 1843
Voice, communication, intelligibility training, 856
hoarse, therapy, 4604
intensity, & subglottic air pressure, 8470
Voice of America, content analysis, method, 852
listener mail, 849
Soviet, reactions, 851
satellite references, 864
Volkov, N. N., perception theory, critique, 8400
Voodooism, vs. Christianity, Haiti, 5886
Voter, attitude, measurement, 2528
Voting, election, participation, 2519
Vowel, color, acoustic determinants, 5949
synesthesia, 5397
formants, band width, 3857
frequency, in Hungarian, 7457
& phoneme distribution, 5964
recognition, variables, 3842
sounds, American speech, 2548
sustained, threshold reliability, 5974
Vvedenskii, N. E., biography, portrait, 191
physiological theories, 1925

W-score, 3295
Wage, administration, rating scale, 8226
incentive, program acceptance, 4979
rates, service & job rating, 8110
Walking, as personality symptom, 433
Wallin, J. E. W., autobiography, 3266
Walther Test, manual skill, 4339
War, attitudes, women, 6527
child attitudes toward, 800
panic in, 700
& race prejudice, 5887
Wartegg Drawing Test, 934, 6060
factor analysis, 934
& school achievement, 5118(t)
validity & factor analysis, 6056
Wartenberg, R., biography, 184
neurology, review, 188
as teacher, 171
Watch keeping, & conditioning, 3930
Weaning, early, & paintings, 2293
Weather, & pain sensitivity, 6929
Weber's law, dispersed dot stimulus, 3757
Wechsler Bellevue Adult Intelligence Scale, comprehension subtest, 2611
counselors' manual, 2664
as diagnostic instrument, 6045
digit symbol, administration, 6039
full scale IQ variability, 7553
item score & variability, 1737(t)
memory vs. total scores, 6042
past 50 performance, 657
patterning, of schizophrenics, 4647
patterns, female delinquent, 2963
scatter, low IQ level, 967
score, changes, & lobotomy, 2744
patterns, diagnosis, 7530
in senile dementia, 2359
sex differences, young adults, 7541
subtest, item analysis, 6046
scores, & vocabulary level, 961
split-half reliabilities, 2619
vs. ACE, & college achievement, 1570
vs. Binet, vocabulary score conversion, 4348
vs. H-T-P, 7545
vs. MMPI scores, 6063
vs. Progressive Matrices Test, 8728(a)
Wechsler Intelligence Scale for Children, with deaf, 6449
Israeli standardization, 2662
& school achievement, 5118(t)
& socioeconomic status, 940
verbal scores & bilingualism, 7207
vs. Binet, 954, 2638
Wechsler Mental Deterioration Index, validity, 936
Weight, apparent, VEG scale, 2017
illusion, in diagnosis, 4520
lifted, Müller-Urban, 5192
Weinberg V-Test, vs. Survey of Object Visualization, 7512
Werner's syndrome, psychopathology of, 1207
Wernicke's encephalopathy, case, 7907
West Point, personnel research at, 8163
physical proficiency & achievement, 8095
Western Psychological Association, proceedings (1953), 5267
Whale, pilot, captivity adjustment, 3876
Wiener, N., autobiography, 5294
Wiggers, H. A., obituary & portrait, 3635
Wife, of alcoholics, 7760
Wiggly Block Test, & school achievement, 6590(b)
Wildness, rat, & electroshock, 5553
Will, freedom of, & responsibility, 5164
in Soviet psychology, 5586
Winch operator, selection tests, 3355
Wisconsin Supervisory Inventory, item analysis & validation, 3467(t)
Wish, analysis, 444
pleasure in, 445
Wit, marriage, social function, 7428
Withdrawal, child problem, 2924
girl, case, 2790
psychological, & tactual behavior, 1713(t)
Witness, child as, 2973
competence, 5710(b)
intellectual capacity, test, 7782
interrogation, & expressive behavior, 7784
psychiatric appraisal, 7781

Wolf man, psychoanalysis, 1139
Wolfle, D., biography & portrait, 6847
Wolof, plural marriage, adjustment, 7389(a)
Woman, aging, personality adjustment, 7315(a)
attitudes to repetitive work, 8202
attitudes toward, measurement, 1751(t)
career, social mobility, 799
castration fear, 6257(b)
climacteric, dark adaptation, 3788
clothing fashions, psychoanalysis, 5790
college, behavior, & parent standards, 4894
graduate, adjustment, 3244
marital role interpretation, 4879(a)
MMPI K-scores, 4973
personality changes, 6543
& physical education, 6530
vocational interests, 1766(t)
as crime instigator, 2977
criminal responsibility, 6315
employees, job satisfaction, 5025
housewife, psychosomatics, 3090
Hindu, role of, 5798
in industry, 173
inferiority attitudes of, 430
invalidism, & mastectomy, 7855(a)
love, & sex, 430
MMPI profile, interpretation, 7507(a)
motor fitness, & somatotype, 8485
neighborliness, scale for, 4184
psychologist, International Council, 5264
psychology of, 1803
existential, 5575
role, & status, 2431
Truk, 4195
senile, group psychotherapy, 1326(a), 4447
sex, behavior, 5507, 5526
responsiveness, 5484
sexuality, Kinsey, critique, 7728
psychoanalysis, 5572
single vs. married, 7349
status, change psychology, 19
India, 763
& male attitudes, 709
student, achievement motive, 1519
TAT responses, 4350
vocational counseling, 4507
war attitudes, 6527
workers, supervisory reluctance, 6655
Woodchuck, hibernation & brain activity, 277
Woodworking, practical ability test, 4941(a)
Wool, quality assessment, psychology of, 3413(a)
Word, association, in dysmenorrhoea, 3069
test, objectification, 4391
response frequency, 7557, 7558
count, in projective techniques, 2687
Spanish, 3217
deafness, morbid anatomy, case, 1278
frequency, & Allport-Vernon test, 3716
intuitive meanings, 7993(a)
meaning, acquisition of, 4870
perception, & physiological needs, 3743
projection test, 6594(a)
recognition, education & vision, 1474
& foreknowledge, 310
skill, German schools, 1491
& verbal habits, 8687
selection, & dichotical presentation, 7066
semantic frequency, 7689
stimuli, familiarity vs. frequency, 8686
traumatic, forgetting, 5981
Work, attitudes, social factors, high school, 4596(a)
decrement, alcohol & low temperature, 8365
factors, industry, 1649
& fatigue, & situation, 5493
mitigation methods, 8475
& motor learning, 5603
& fatigue, psychological, 3460(t)
habits, & Index of Industriousness, 6503
& mathematics achievement, 3210
hazards, industry, 8253
mental, & cardiac output, 5335
noise effects, 3910
physiological concomitants, 3689
monotonous, & fatigue, 8474
motion study apparatus, 8244
motor, & Harvard Step Test, 248
music effects, 5068
output, drug effects, 2178
& motion sickness drugs, 2177
performance, & meal habits, 6884
physical, capacity, age & sex, 2153
& play, nature of, 5576
productivity theory, Marxian critique, 9104
relations, formal organizations, 5932(b)
organization, 5836(a)
repetitive, woman's attitudes, 8202
satisfaction, & aspirations, 7225(a)
science, Belgian Institute, 5053, 5054, 5055, 8227
situation, identification with, 4984(a)
unit, repetitive tasks, 6679
Worker, adaptation to work place, 1596
adolescent, adjustment, 5741
attitudes, 4088
attitude toward personnel practices, 1634
in college, leisure activities, 4878
factory, eating behavior, 3320
goals for children, 1632
industrial, adjustment, 6623(b)
low performers, 9072
marital adjustment, 8665(a)
retirement, 2363
integration into company, 8207
knowledge of work purposes, 1612
morale, & human relations, 8208
& supervision, 8212
Nisei, evaluation, 4987
older, difficulties of, 5762
effective use, 2356
job efficiency, 2380
rehabilitation, 5766
utilization of, 4983
production & boredom, 1660
psychosomatic screening, 5044
resistance to change, 1639
selection tests, 8143
values, & job evaluation, 8219
women, promotion reluctance, 6655
World Federation for Mental Health, report (1952), 3623
World organization, public opinion on, 8677
Worthington Personal History, in Air Force officer assessment, 3473(t)
Wren, European, breeding rhythms, 3899
Wrestling, ability, & kinesthetic acuity, 3731
Writer, ulcers in, 3437
Writer's cramp, psychodrama, case, 4692
Writing, automatic, & hypnosis transference, 1073
child, word frequencies, 6496
style, & reading ease, 1487

X-irradiation, of brain, & pinna reflex, 3703
& exhaustive exercise, rat, 8477
& transfer of training, 7161
X-ray, whole body, EEG & behavior, 1979

Y.M.C.A., counseling program, 897
guidance services, 2569
Yami, culture & personality, 7409
Yogi, psychological theory, 6748
Youth, acculturation, Israel, 2346
adjustment, community organization, 4615
education & philosophy, 646
Jewish, in Israel, 2487

Zeepi, child training in, 1701(t)
Zodiac, & human unity, 14
Zulliger, H., obituary & portrait, 178
Zulliger's Test, 951

BINDERS

. . . are now available for all APA journals. These are sturdy, wire-post multiple binders in dark blue imitation leather, uniformly stamped in gold foil.

Journals may be easily inserted and removed.

Specify quantity and journals for which binders are desired, or write for descriptive folder and order blank.

Price: $1.50 plus 15¢ postage each

American Psychological Association

1333 Sixteenth Street N. W. Washington 6, D. C.

MEMBERSHIP LISTS
of the
AMERICAN PSYCHOLOGICAL ASSOCIATION

Effective January 1954

The address list of members of the American Psychological Association and participants in its Student Journal Group is available at the prices indicated below, provided the nature of its use is in conformity with the purposes of the Association.

The lists are available only on standard unperforated 3½- or 3¼-inch Addressograph tape, gummed or ungummed, suitable for use with a Dick or other mailing device using such tape.

MAILING LISTS

Total list of members and students, approximately 14,000 names .... $15.00 per thousand

State lists, geographically, one or more states ..... $15.00 per thousand

Division lists, containing from 50 to 1,500 names of members with specialized interests in psychology (e.g. clinical psychology, social psychology, experimental psychology, etc.) ..... $25.00 per division

For further information, write to:

AMERICAN PSYCHOLOGICAL ASSOCIATION

1333 Sixteenth Street N. W. Washington 6, D. C.

Neurology and Psychiatry

Section VIII of Excerpta Medica

The Neurology Section includes abstracts of all articles on neurological survey in addition to general clin cal neurology and experimental neurophysiology.

The section on Psychiatry covers the topics usually contained within the meaning of the word. In addition the following special branches are dealt with fully: psychoanalysis, individual and analytical psychology; sexology, criminology, alcoholism and drug addiction as related to psychiatry; psychosomatic medicine; social and industrial psychology and psychiatry, vocational guidance and mental testing; psychometrics; personality testing and the Rorschach test; heredity and statistical studies as they apply to psychiatry. The subjects of mental defect and epilepsy are fully reported.

Annual volume of 1000 pp., including an index classified by author and subject

Subscription price $22.50 per annual volume

EXCERPTA MEDICA SERVICE CORPORATION

280 Madison Avenue **New York 16, N. Y.**

BIOLOGICAL ABSTRACTS

Covers the world's biological literature

How do you keep abreast of the literature in your field? Perhaps some relatively obscure journal has published a revealing paper on the very subject in which you are most interested. Informative, concise abridgments of all the significant contributions will be found in *Biological Abstracts*.

Biological Abstracts does not compete with, or duplicate, any existing services in the psychological field. Rather, it supplements these services by abstracting, from the biological point of view, the biological literature paralleling and directly applicable to that published in the psychological, neurological, sociological, and anthropological journals.

As well as the complete edition, covering all the biological literature in some 3,000 publications, *Biological Abstracts* also is published in five low-priced sectional editions to meet the needs of individual biologists. Write for full information and sample copies.

BIOLOGICAL ABSTRACTS
University of Pennsylvania
Philadelphia 4, Pa.

AVAILABLE ISSUES OF PSYCHOLOGICAL ABSTRACTS

July 1, 1954

YEAR	VOLUME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	INDEX	PRICE PER NUMBER
1927	1	1	2	3	4	5	6	7	8	9	10	11	12	—	$1.00
1928	2	—	—	—	—	—	—	—	—	—	—	—	—	—	——
1929	3	1	2	3	4	5	6	7	8	9	10	11	12	13	$1.00
1930	4	—	2	3	4	5	6	7	8	9	10	11	12	13	$1.00
1931	5	1	2	3	4	5	6	7	8	9	10	11	12	13	$1.00
1932	6	1	2	3	4	5	6	7	8	9	10	11	12	13	$1.00
1933	7	1	2	3	4	5	6	7	8	9	10	11	12	13	$1.00
1934	8	1	2	3	4	5	6	7	8	9	10	11	12	13	$1.00
1935	9	1	2	3	4	5	6	7	8	9	10	11	12	13	$1.00
1936	10	—	—	3	—	5	—	7	8	—	—	11	12	—	$1.00
1937	11	—	—	—	—	—	—	—	—	—	—	—	—	—	——
1938	12	—	—	—	—	—	—	—	—	—	—	—	12	13	$1.00
1939	13	—	—	—	—	—	—	—	—	—	—	—	—	—	——
1940	14	—	—	—	—	—	6	—	—	9	—	—	—	—	$1.00
1941	15	1	2	3	—	5	—	7	8	9	—	11	12	13	$1.00
1942	16	—	2	—	4	5	6	—	8	9	10	11	12	—	$1.00
1943	17	1	2	3	4	5	6	7	8	9	10	11	12	13	$1.00
1944	18	1	2	3	4	5	6	7	8	9	10	11	12	13	$1.00
1945	19	1	2	3	4	5	6	7	8	9	10	11	12	13	$1.00
1946	20	1	2	—	4	5	6	7	8	9	—	—	12	13	$1.00
1947	21	1	2	3	4	5	6	7	8	9	10	11	12	13	$1.00
1948	22	1	2	3	4	5	6	7	8	9	10	11	12	13	$1.00
1949	23	1	2	3	4	5	6	7	8	9	10	11	12	13	$1.00
1950	24	1	2	3	4	5	6	7	8	9	10	11	12	13	$1.00
1951	25	1	2	3	4	5	6	7	8	9	10	11	12	13	$1.00
1952	26	1	2	3	4	5	6	7	8	9	10	11	12		$1.00
1953	27	1	2	3	4	5	6	7	8	9	10	11	12		$1.00
1954	28	By subscription $8.00, foreign $8.50													$2.00

During 1952 and 1953, No. 12 contained the Index.

Beginning in 1954 the journal is published bimonthly, with No. 11-12 containing the Index.

The price of complete volumes is $8.00. If a volume is incomplete and less than 8 numbers are available, the price is the sum of the individual numbers; if more than 8 numbers are available in a volume, the price is $8.00.

Postage prepaid on U. S. orders. Add $.50 per volume on foreign orders. All stock subject to prior sale.

The American Psychological Association gives the following discounts on any one journal:

10% on orders of $ 50.00 and over
20% on orders of $100.00 and over
30% on orders of $150.00 and over

Current subscriptions and orders for back numbers and volumes should be addressed to:

AMERICAN PSYCHOLOGICAL ASSOCIATION, INC.
1333 Sixteenth Street N.W.
Washington 6, D. C.

Forthcoming Text-books

EDUCATIONAL PSYCHOLOGY By KARL C. GARRISON and J. STANLEY GRAY

This book, by two outstanding educators, is divided into equal parts: I, Human Growth and Development, which discusses the fundamental human factors in the learning process, and II, Learning and Guidance, which demonstrates how learning takes place. Data and conclusions from up-to-date scientific studies are presented to assure solid comprehension of the field. The text is illustrated by numerous tables and charts.

STUDIES IN MOTIVATION Edited by DAVID C. McCLELLAND

This book brings together for study in one course the various aspects of human motivation. Fifty thought-provoking readings by psychologists, anthropologists, sociologists, and biologists cover the usual approaches to motivation: the clinical (psychoanalytical), the physiological (instinctual), the social, and the experimental. Wherever possible, the editor has included original contributions from the major motivational theorists. A member of *The Century Psychology Series.*

A CASEBOOK OF COUNSELING

By ROBERT CALLIS, PAUL C. POLMANTIER, EDWARD C. ROEBER

This book presents five actual counseling cases, representing special adjustment problems. The cases are verbatim recordings of interviews between the client and the counselor interspersed with critical comment by the authors on pertinent points of the conversations. In a concluding chapter the authors discuss issues suggested by the cases. A member of *The Century Psychology Series.*

Appleton-Century-Crofts

Publishers of THE NEW CENTURY CYCLOPEDIA OF NAMES

35 West 32 Street, New York 1, N. Y.

A HISTORY OF PSYCHOLOGY IN AUTOBIOGRAPHY

(Volume IV)

Published under the sponsorship of the American Psychological Association and edited by HERBERT S. LANGFELD, EDWIN G. BORING, HEINZ WERNER, AND ROBERT M. YERKES.

The autobiographies were written by W. V. Bingham, Edwin G. Boring, Cyril Burt, Richard M. Elliott, Agostino Gemelli, Arnold Gesell, Clark L. Hull, Walter S. Hunter, David Katz, Albert Michotte, Jean Piaget, Henri Piéron, Godfrey Thomson, L. L. Thurstone, and Edward C. Tolman.

Price $7.50

Order from

Clark University Press

950 Main Street
Worcester 10, Massachusetts